APPR... FIG.
... SUBCLASS
DRAFTSM...

CCA GCA ACC AAT GAT GCC CGT T-TAMRA-3'
CA GCA ACC AAT GAT GCC CGT T-TAMRA-3'

CCA GCA AGC ACT GAT GCC TGT T-TAMRA-3'
CA GCA AGC ACT GAT GCC TGT T-TAMRA-3'

Fig. 1A

Fluorescent Dyes

	Absorbance Maxima	Emission Maxima
Fluorescein	494nm	525nm
Tetrachloro fluorescein	521nm	536nm
TAMRA	565nm	580nm

Fig. 1B

Cleaved Fragments:

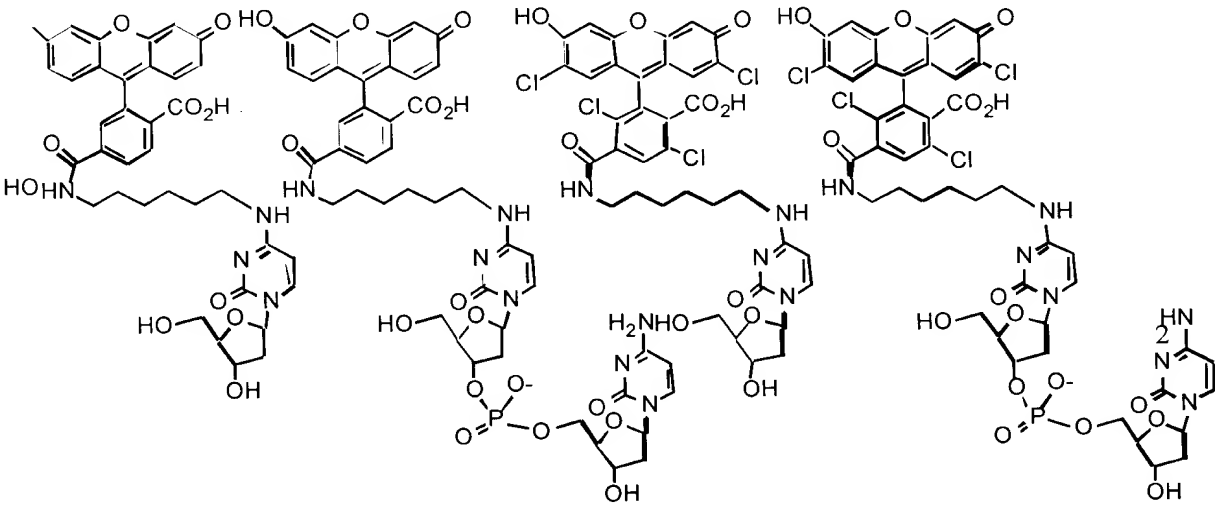


Fig. 1C

DRAFTS | SUBCLASS

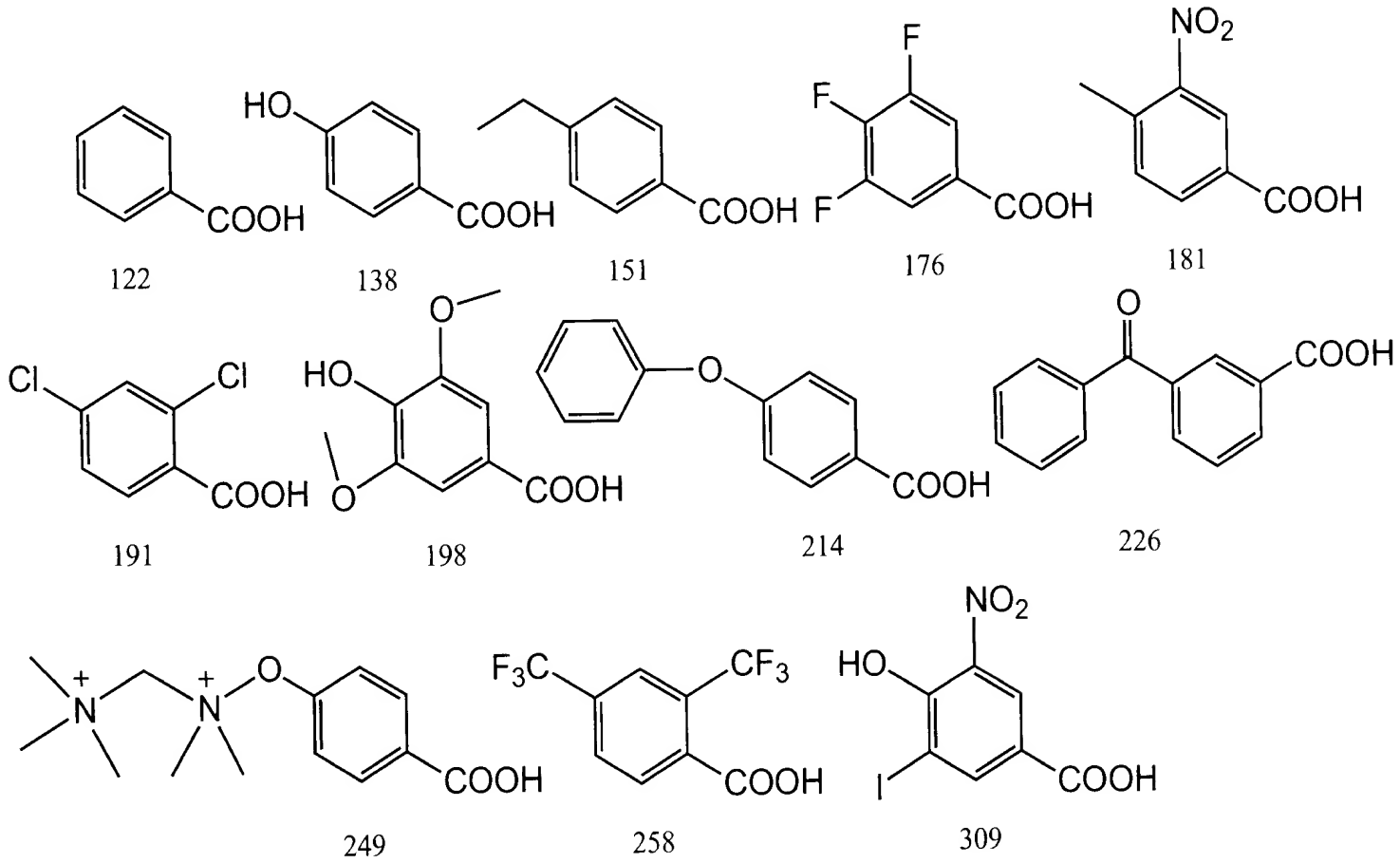


Fig. 2

APPROVED | FIG. | SUBCLASS | DRAFTSMAN

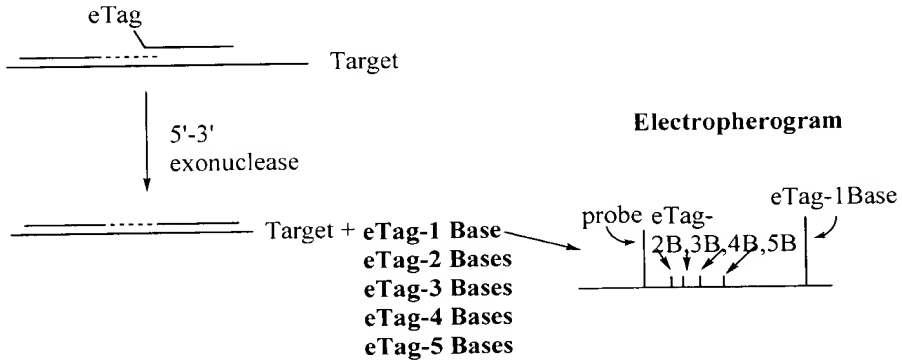


Fig. 3A

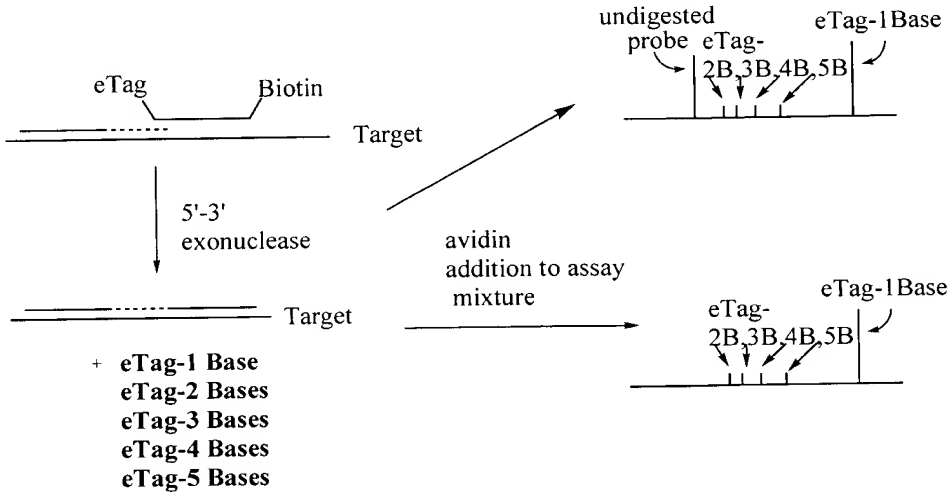


Fig. 3B

APPR... FIG.
BY ...LASS SUBCLASS
DRAFTS...

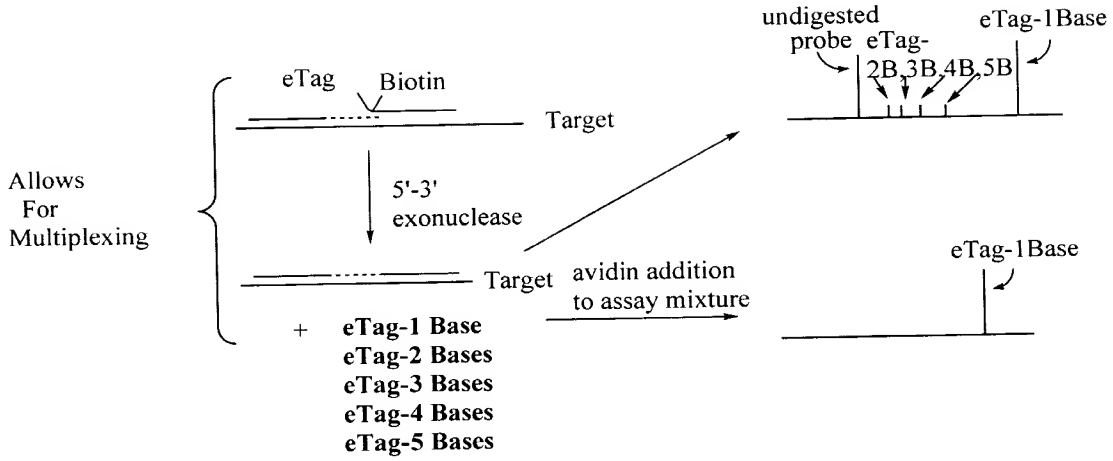


Fig. 3C

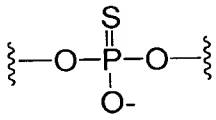


Fig. 3D

APPROVED O.G. FIG.
BY SUBCLASS
DRAFTSMAN

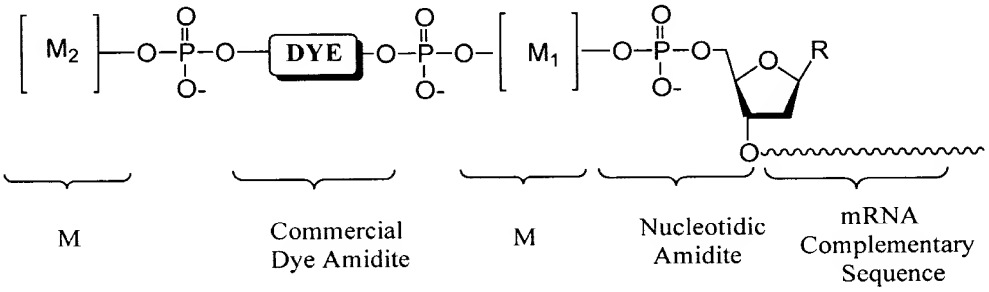


Fig. 4

APPR... FIG.
... SUBCLASS
DRAFTS...

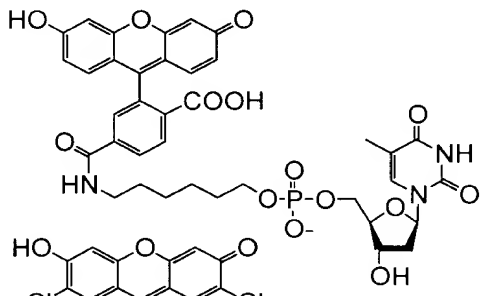
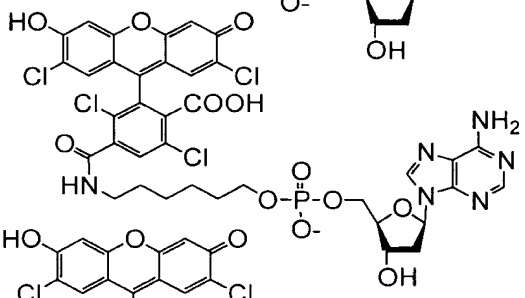
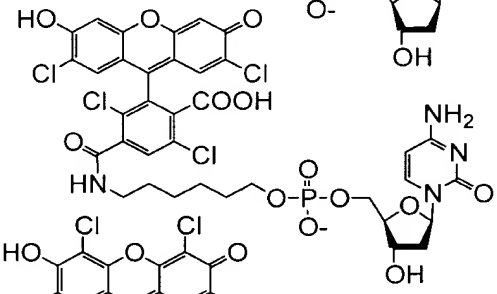
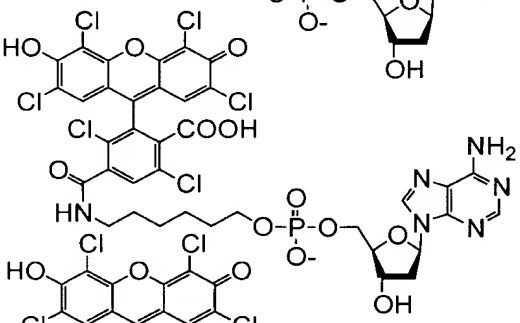
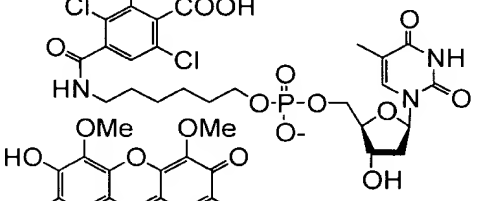
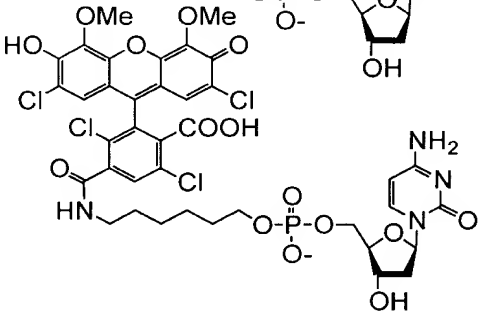
e-tag Reporter	Elution Time on CE, min	Mass
	6.4	778
	7.1	925
	7.3	901
	7.7	994
	8.0	985
	9.25	961

Fig. 5

APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

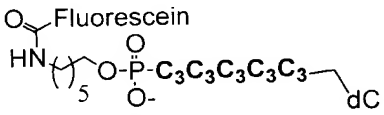
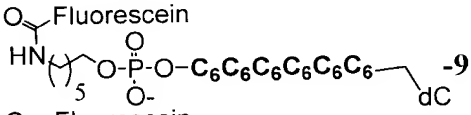
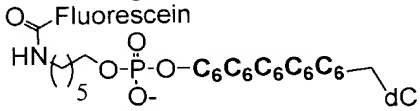
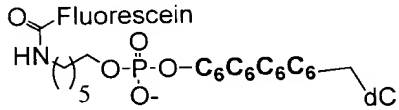
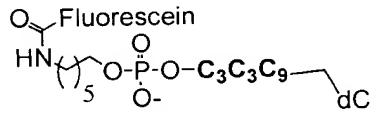
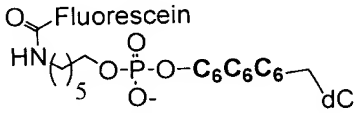
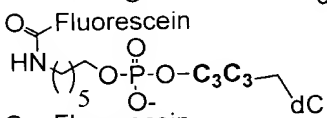
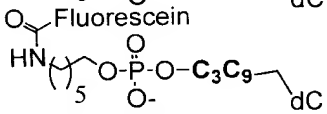
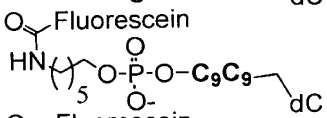
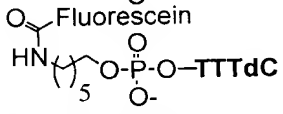
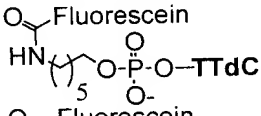
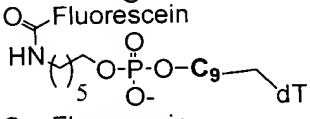
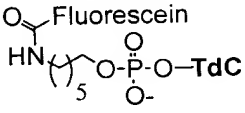
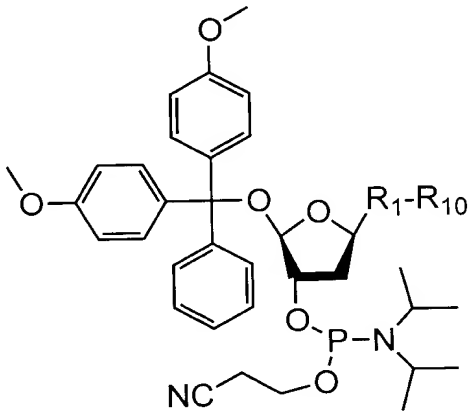
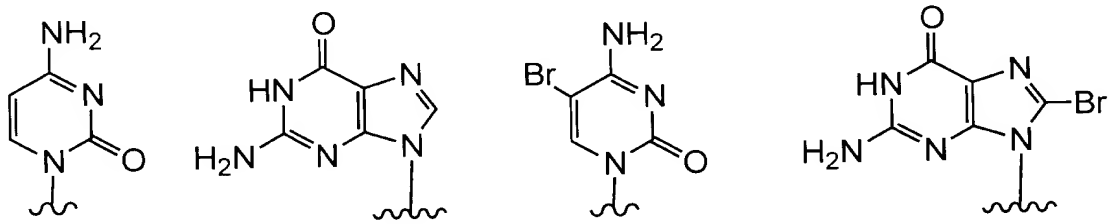
e-tag Reporter	Charge	Elution Time, min
	-8	12.1*
	-9	12.7
	-8	12.8
	-7	13.1
	-6	13.0
	-6	13.4
	-5	12.8*
	-5	13.2*
	-5	14.8
	-6	17.3
	-5	17.0
	-4	15.2*
	-4	16.5

Fig. 6

APPROVED FIG.
BY SUBCLASS
DRAFTSMAN





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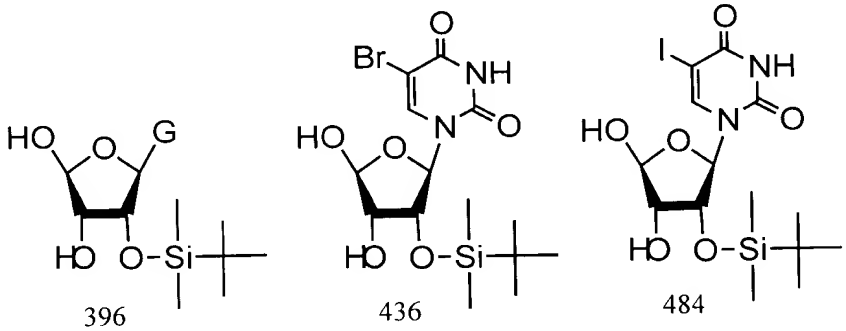
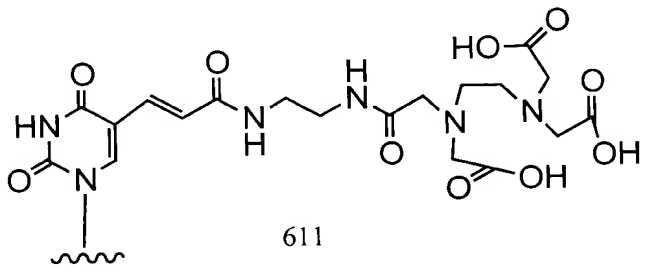


396 436 484



611

Fig. 7

APPL... FIG.
... SUBCLASS
DRAFTS...

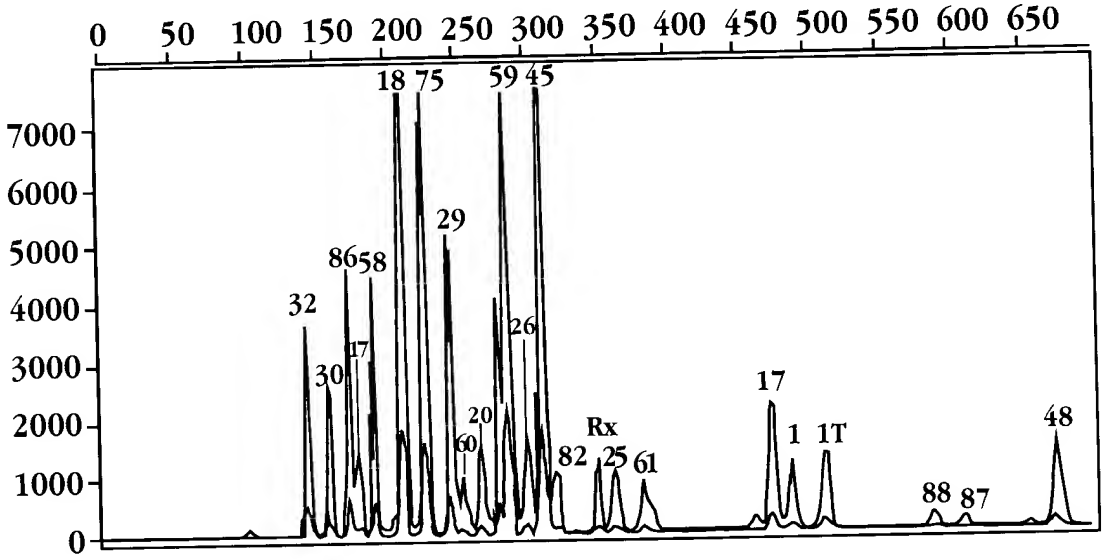


Fig. 8

Substitute Sheet

APPD. O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

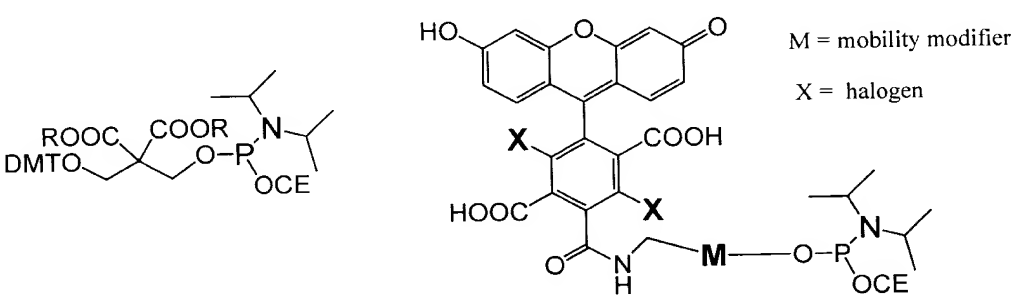
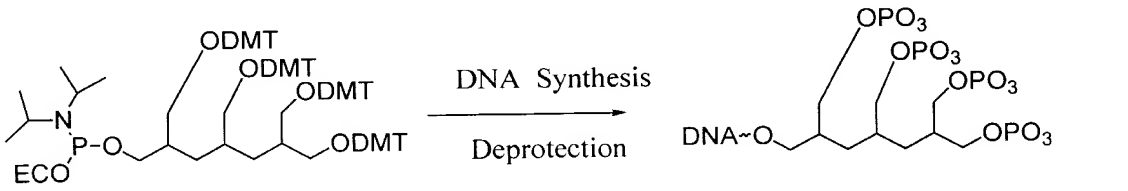


Fig. 9

APPROVED FIG.
CLASS SUBCLASS
DRAFTSMAN



(9 negative charges per coupling)

Fig. 10

Document Page

APPROVED O.G. FIG.
BY EXAMINER SUBCLASS
DRAFTSMAN

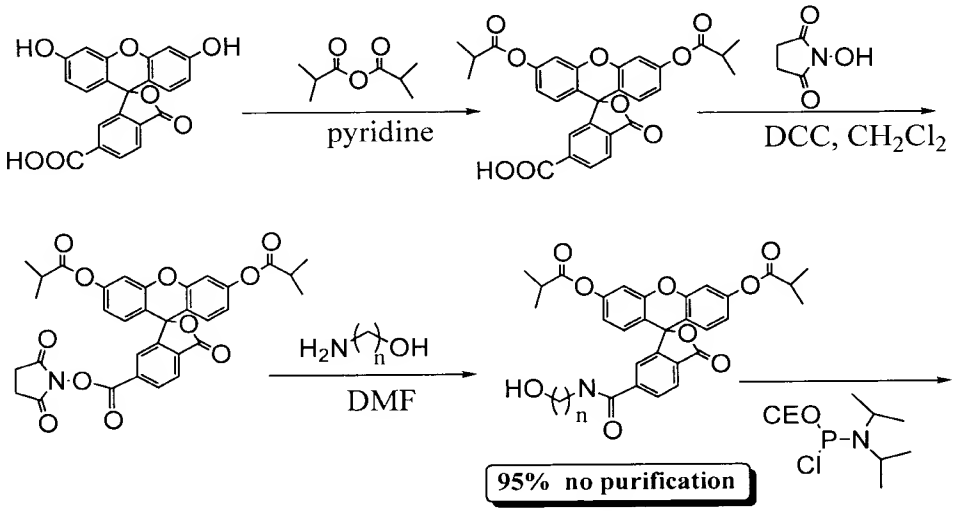


Fig. 11

APPROVED FIG.
BY CLASS SUBCLASS
DRAFTSMAN

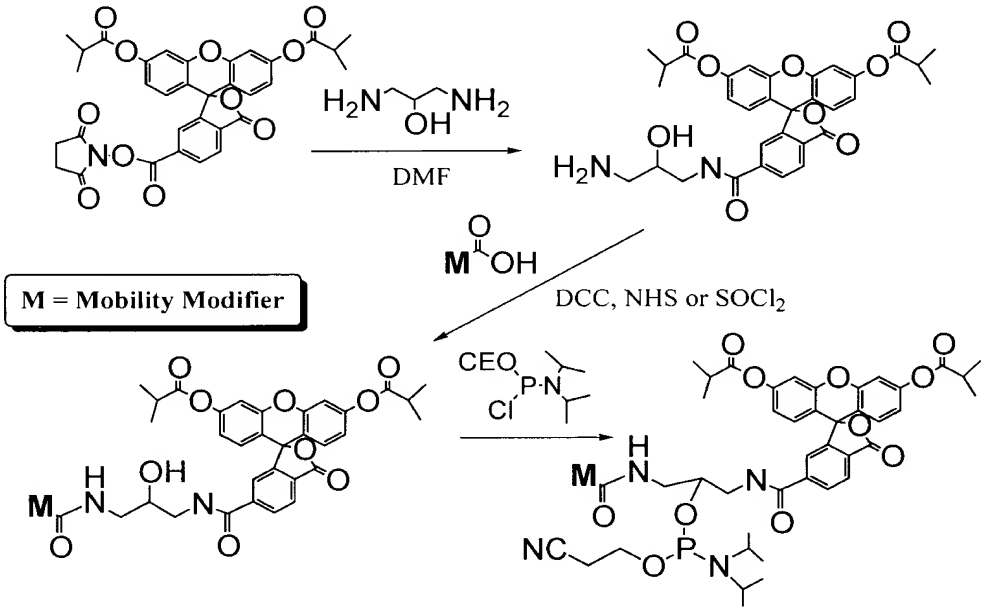


Fig. 12

APPROVED FIG.
SUBCLASS
DRAFTSMAN

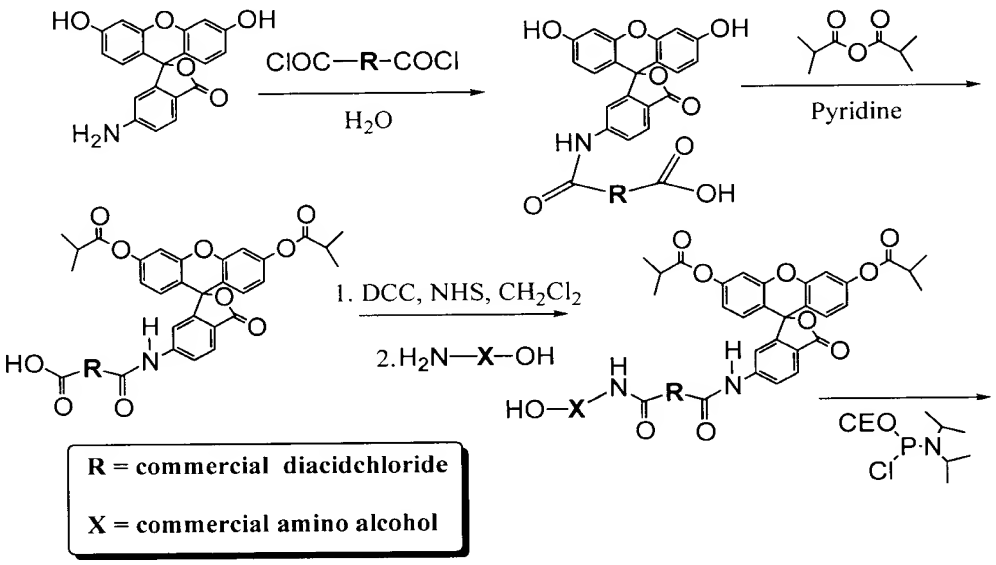


Fig. 13

10804-81999

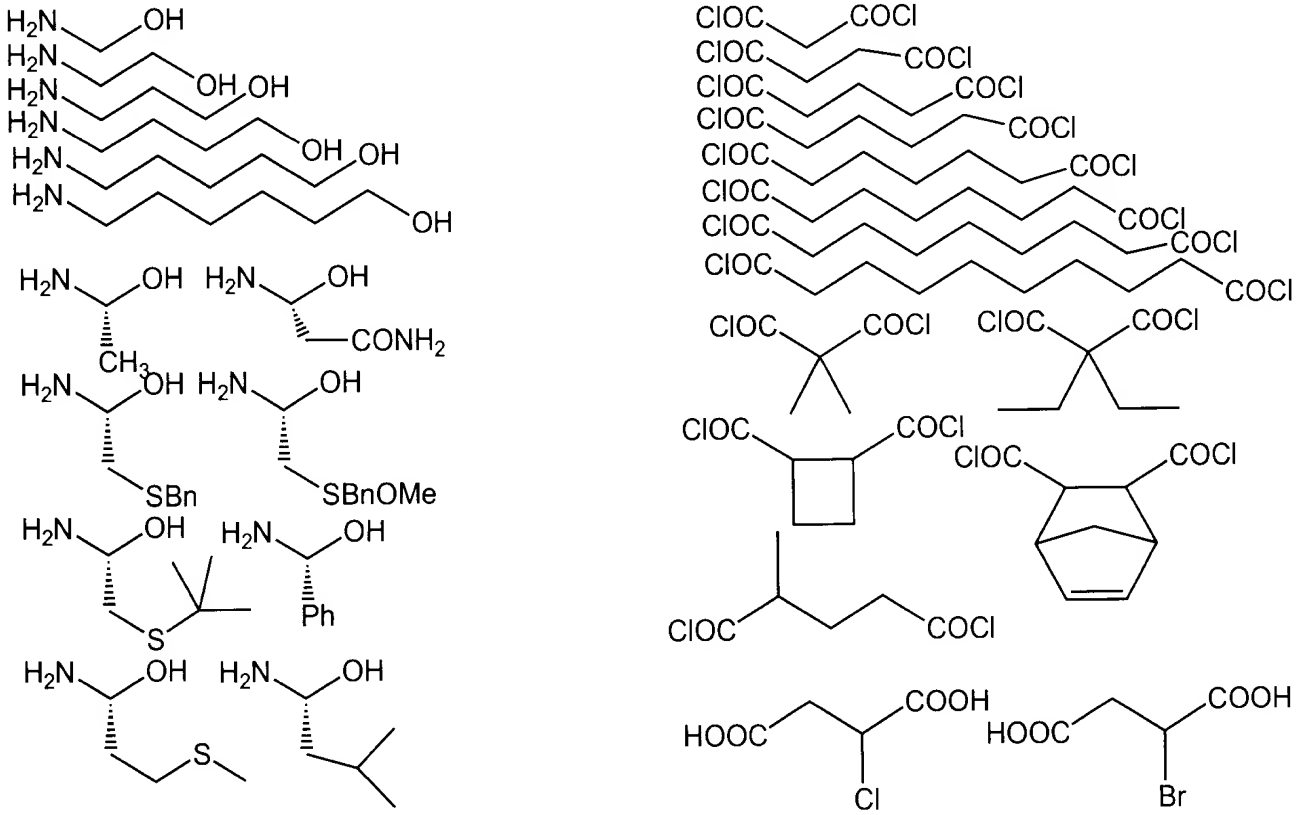


Fig. 14

APPROVED O.G. FIG.
SUBCLASS
DRAFTSMAN

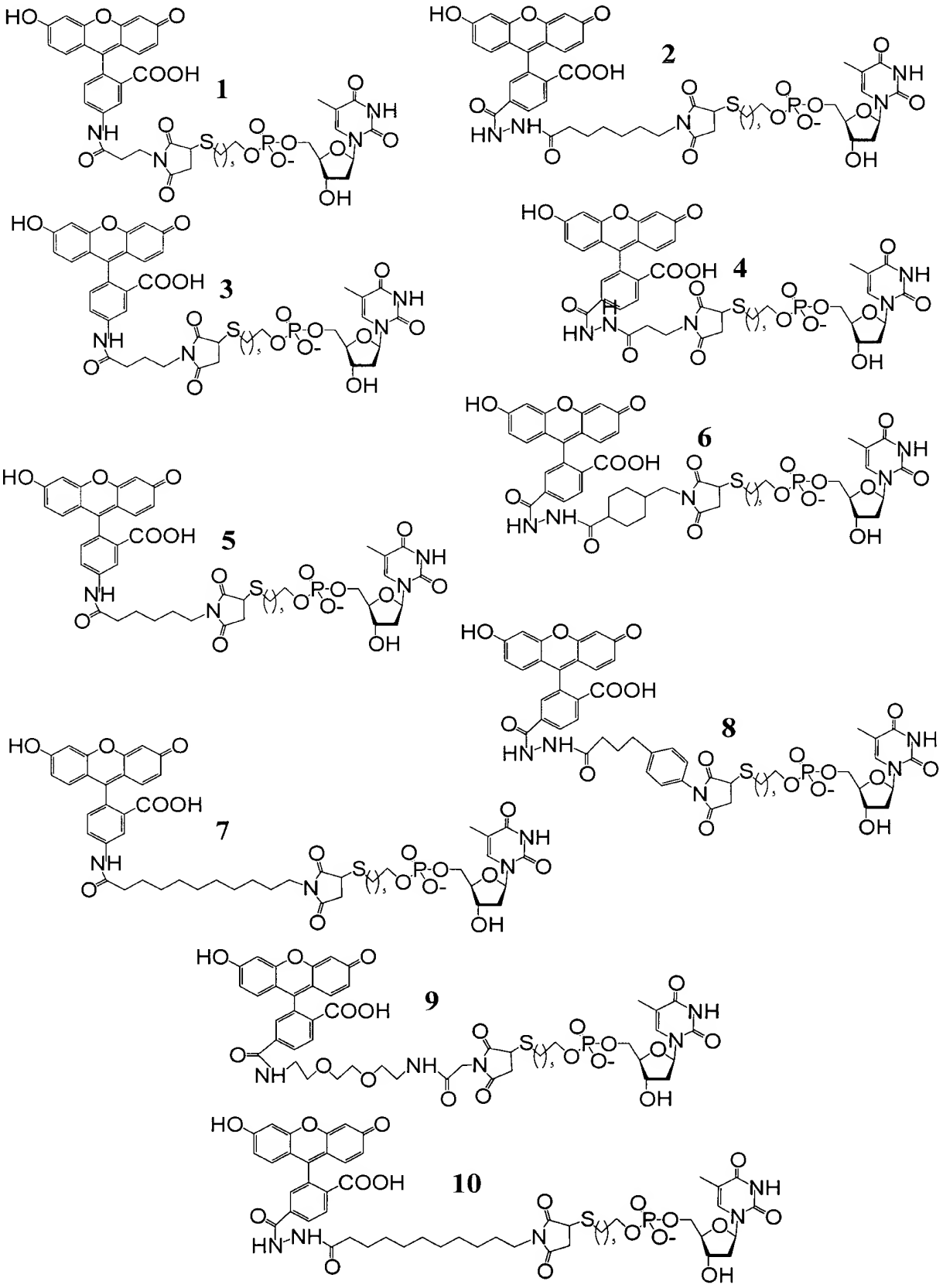


Fig. 15

FIG.
SUBCLASS
DRAFTSMAN

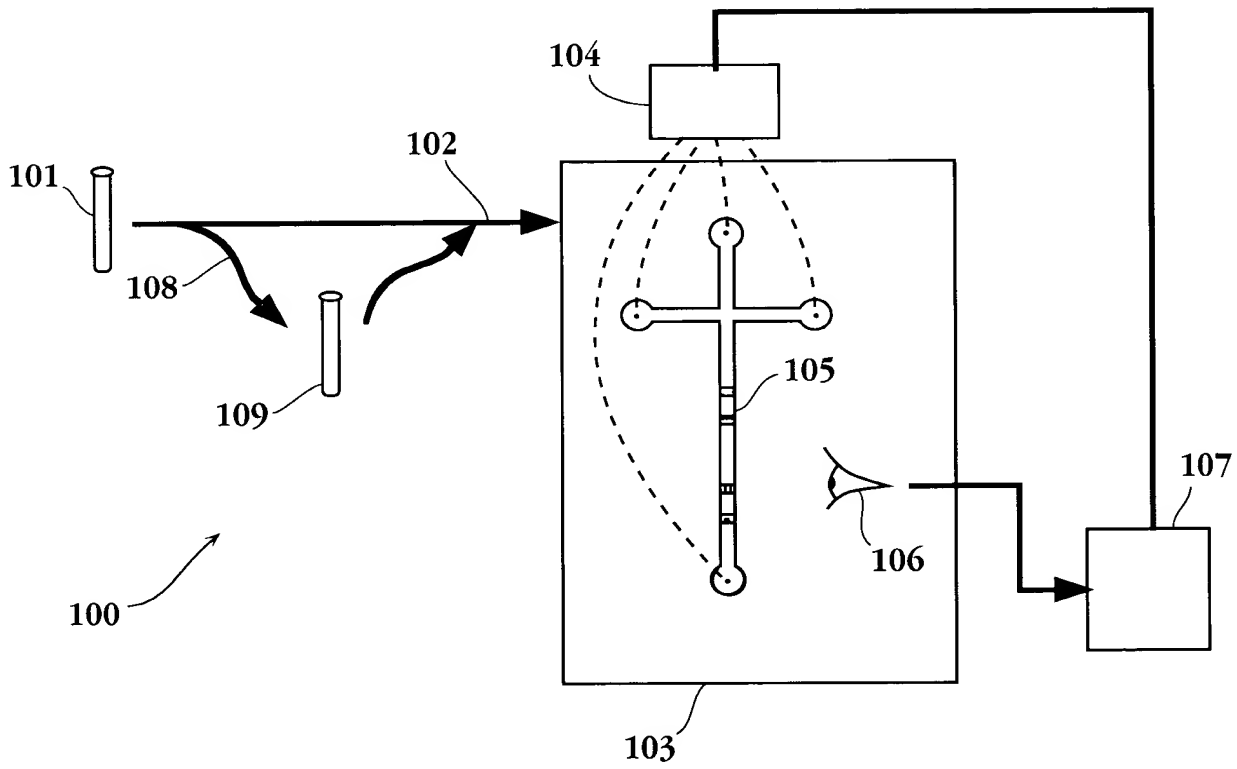
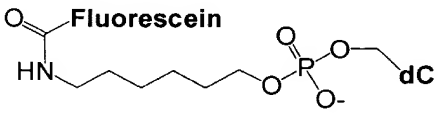


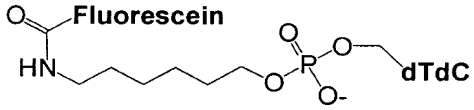
Fig. 16

APPD. FIG.
SUBCLASS
DRAFTSMAN

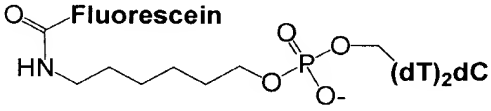
ACLA001



ACLA002



ACLA003



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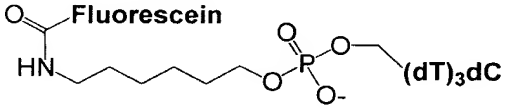
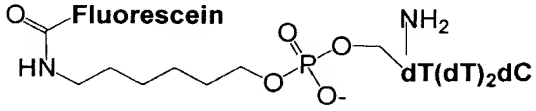
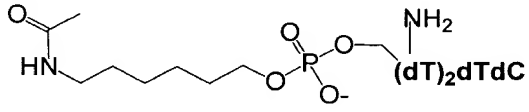


ACLA005



ACLA006



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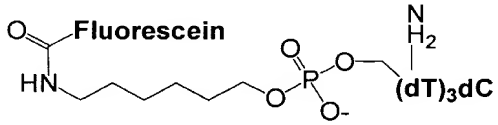

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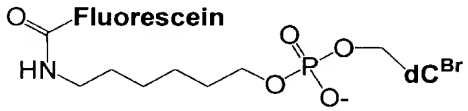

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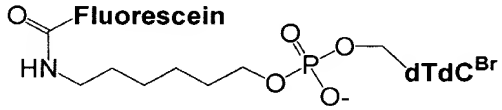

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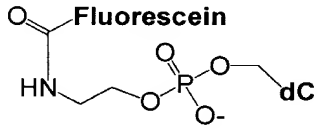

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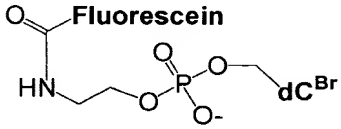

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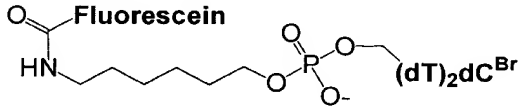


Fig. 17A

APPROVED FIG.
BY SUBCLASS
DRAFTSMAN

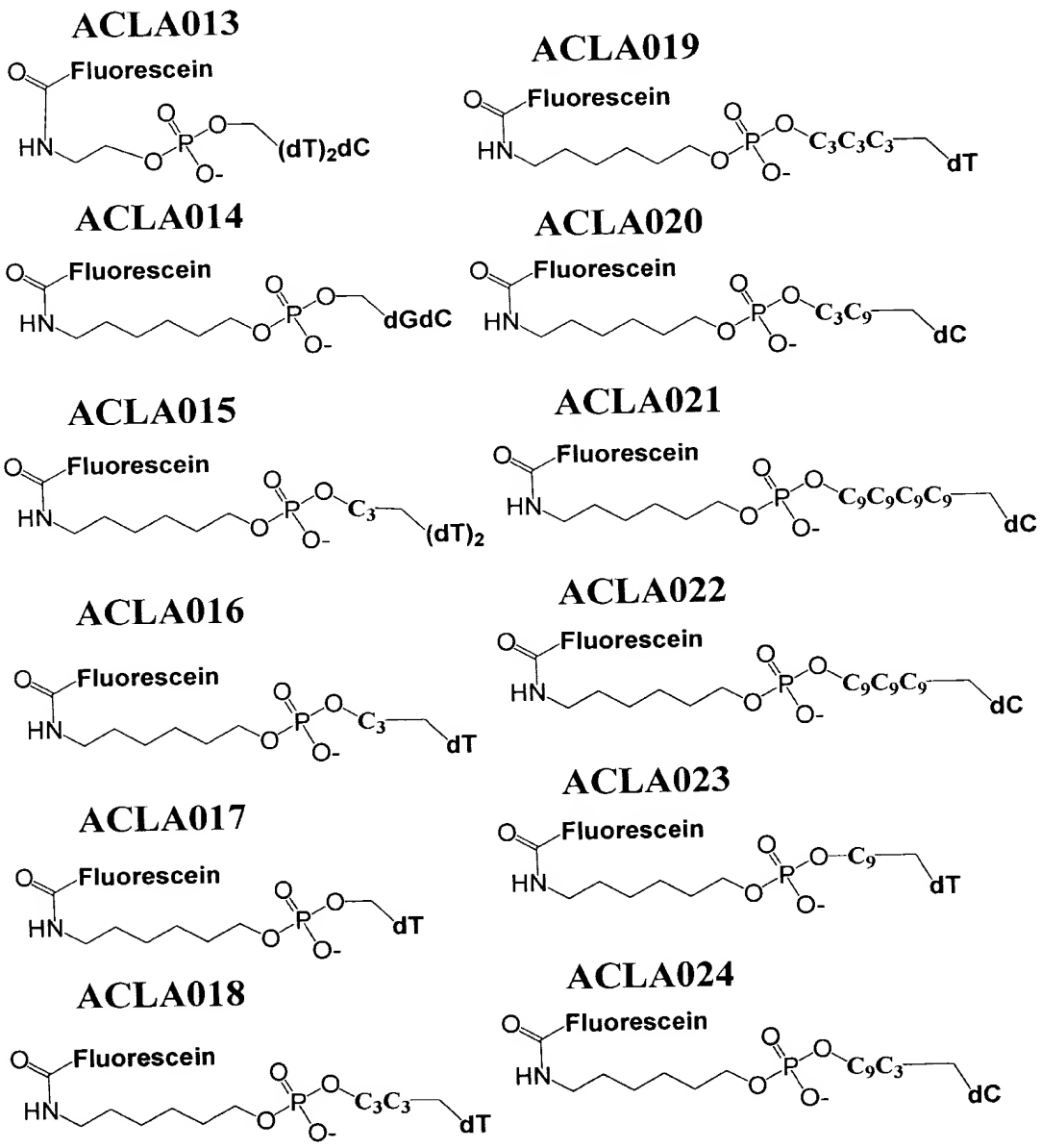
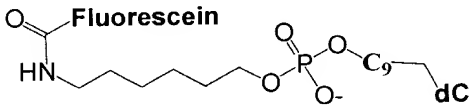


Fig. 17B

APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

ACLA025



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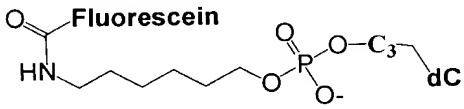

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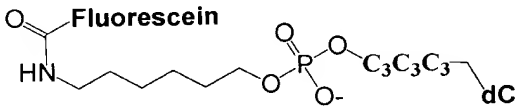

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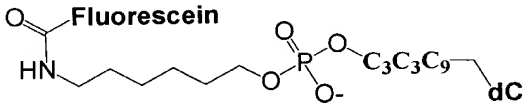

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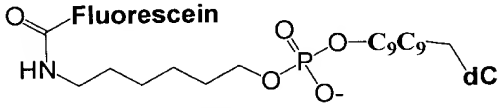

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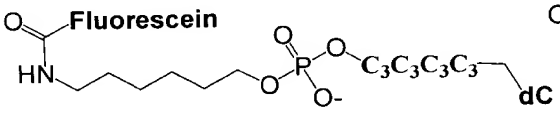

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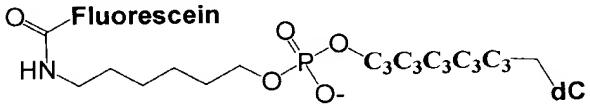

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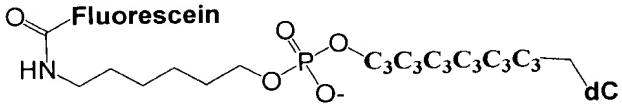

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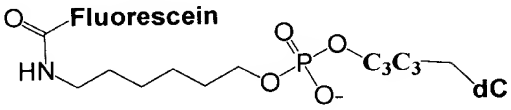

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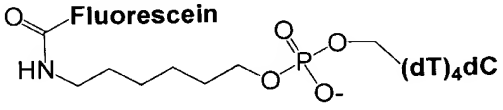

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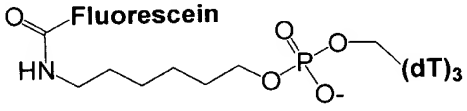

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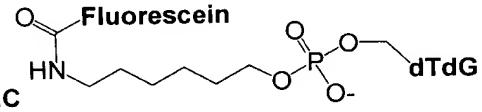
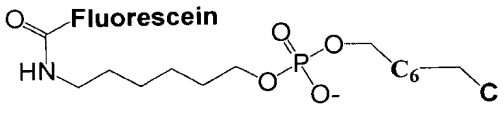


Fig. 17C

APPROVED O.G. FIG.
BY EXAMINER CLASS SUBCLASS
DRAFTSMAN

ACLA037



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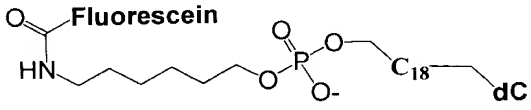

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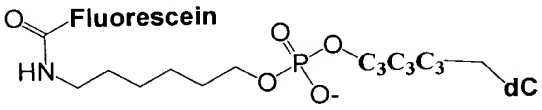

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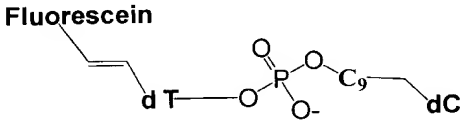

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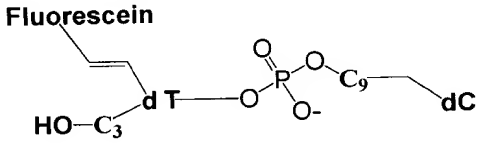

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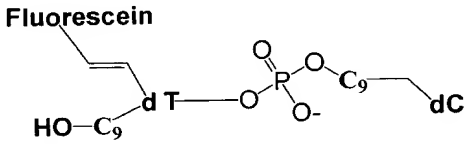

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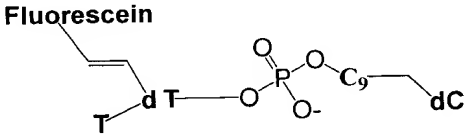

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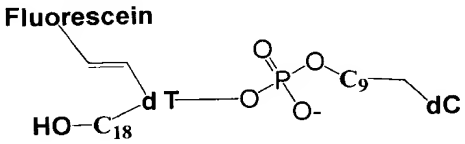

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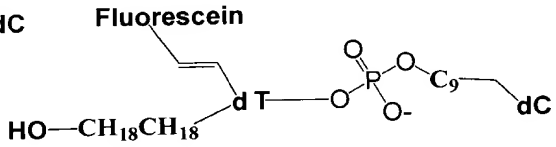

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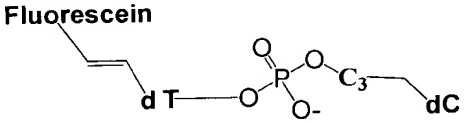

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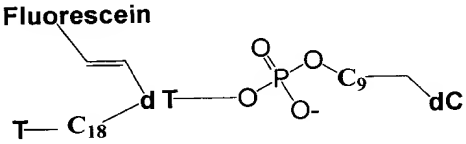
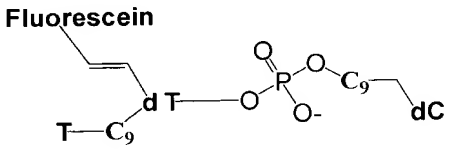


Fig. 17D

FIG.
SUBCLASS
DRAFTER

ACLA048



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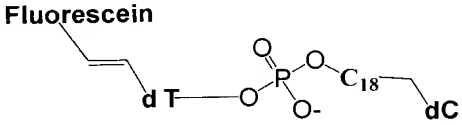

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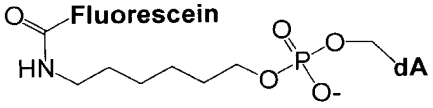

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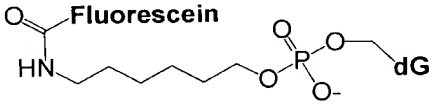

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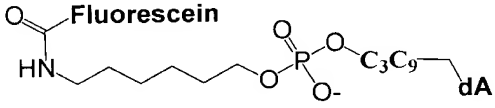

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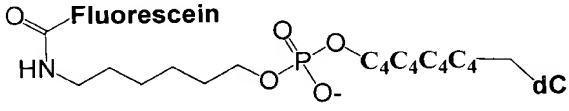

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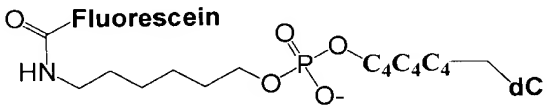

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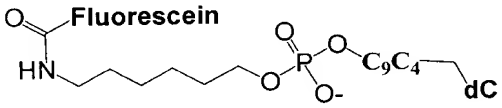

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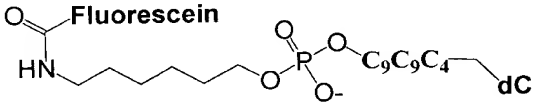

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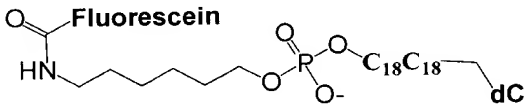

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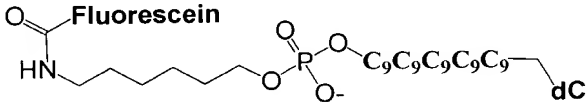

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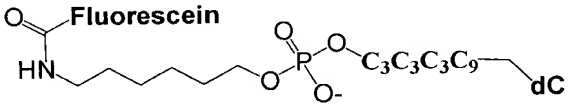
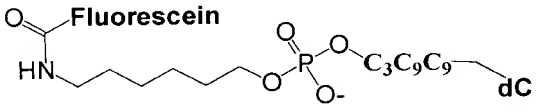


Fig. 17E

APPROVED FIG.
BY CLASS SUBCLASS
DRAFTSMAN

ACLA060



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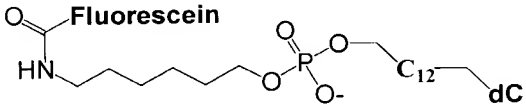

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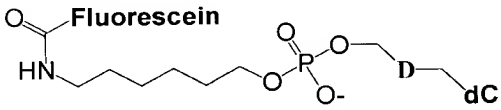

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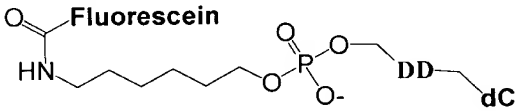

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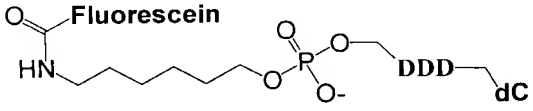

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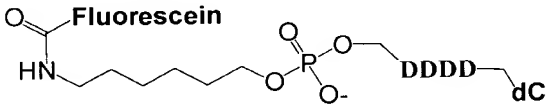

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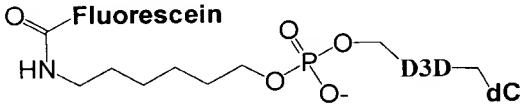

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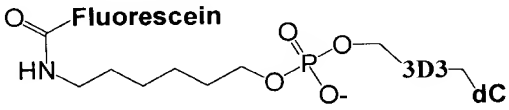

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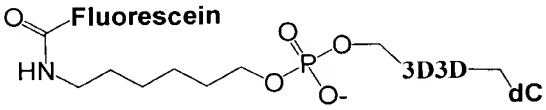

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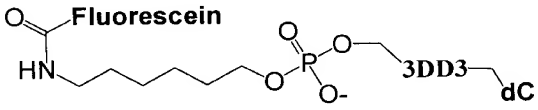
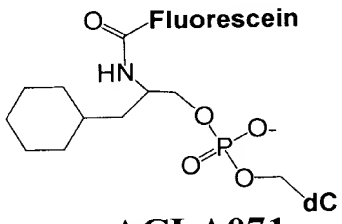


Fig. 17F

APPROVED O.G. FIG.
SUBCLASS
DRAFTSMAN

ACLA070



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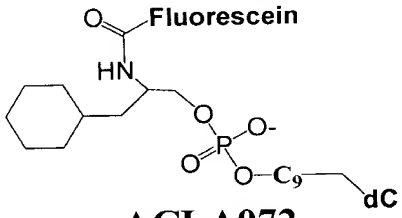

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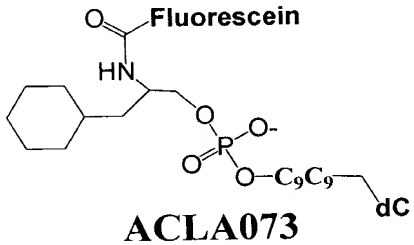

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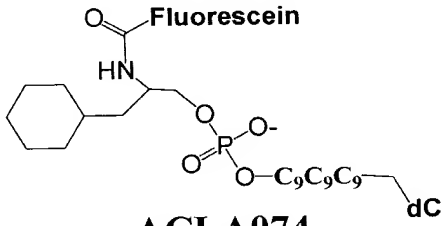

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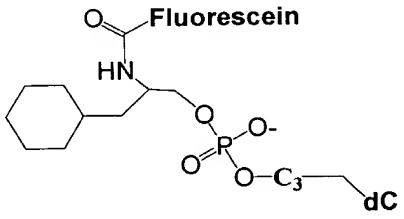

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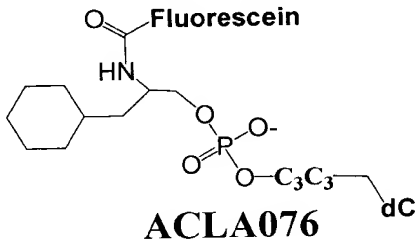

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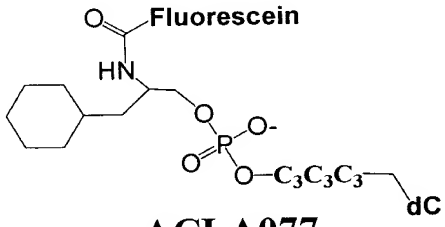

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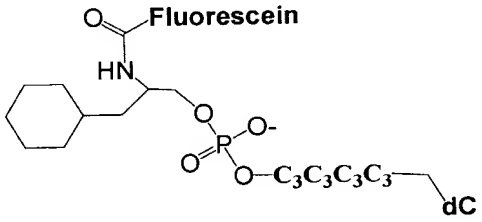

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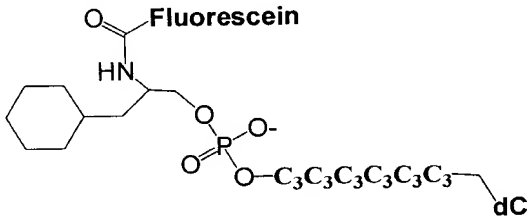
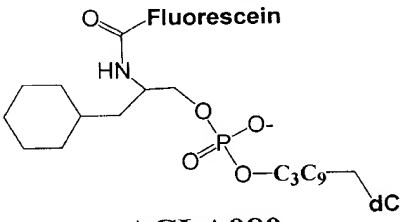


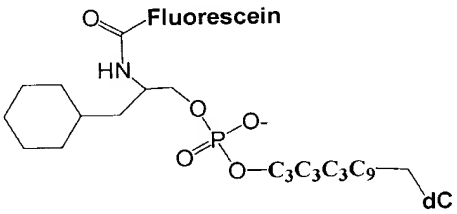
Fig. 17G

APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

ACLA079



ACLA080



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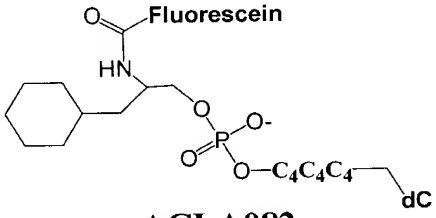

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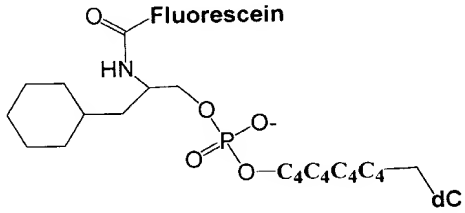

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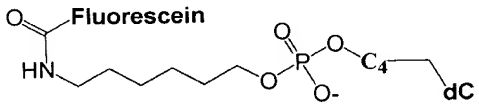

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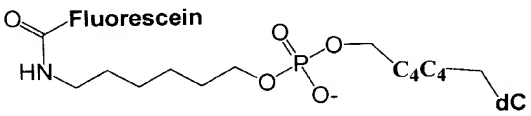

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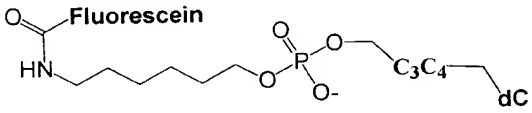

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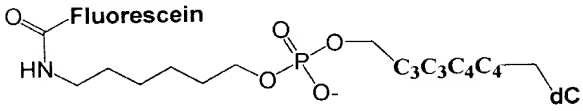

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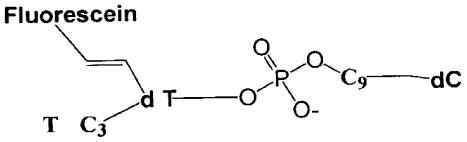

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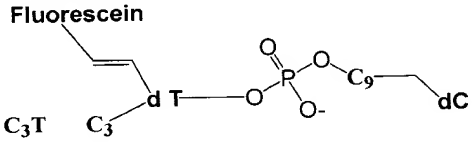
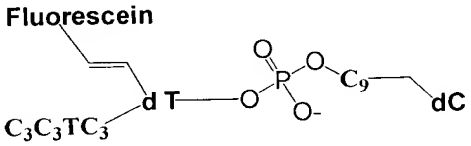


Fig. 17H

APPROVED FIG. SUBCLASS DRAFTSMAN

ACLA089



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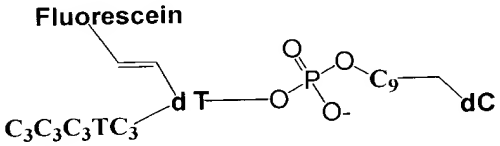

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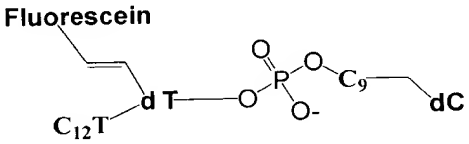

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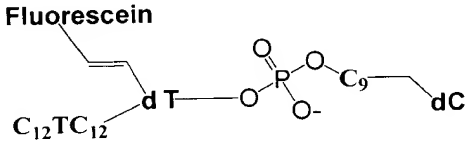

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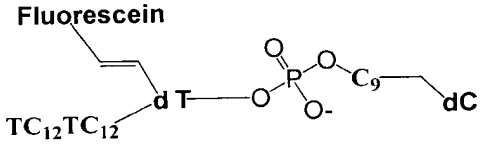

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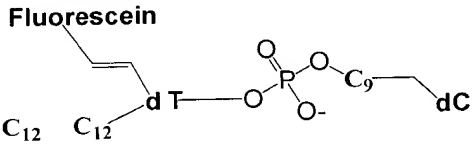

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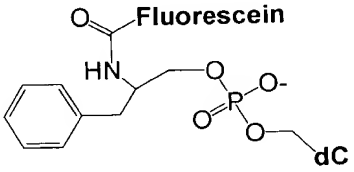

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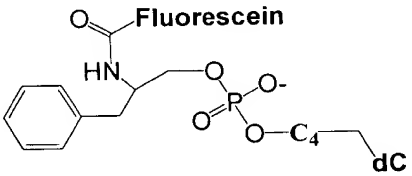

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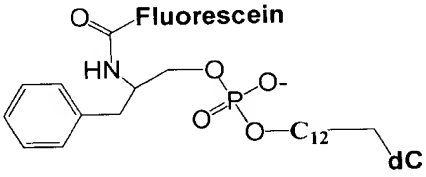

Fig. 17I

APPROVED FIG.
SUBCLASS
DRAFTSMAN

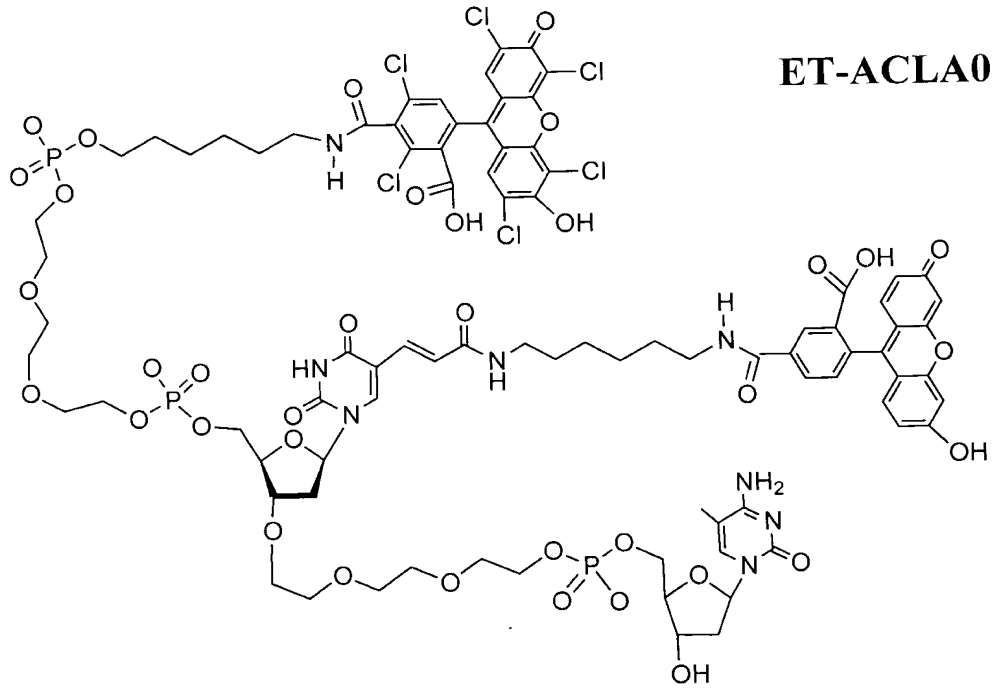

Fig. 17J

APPROVED FIG.
BY SUBCLASS
DRAFTSMAN

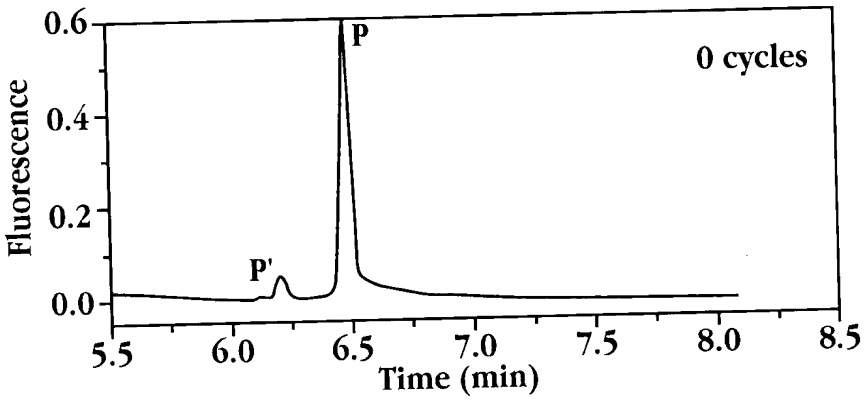

Fig. 18A

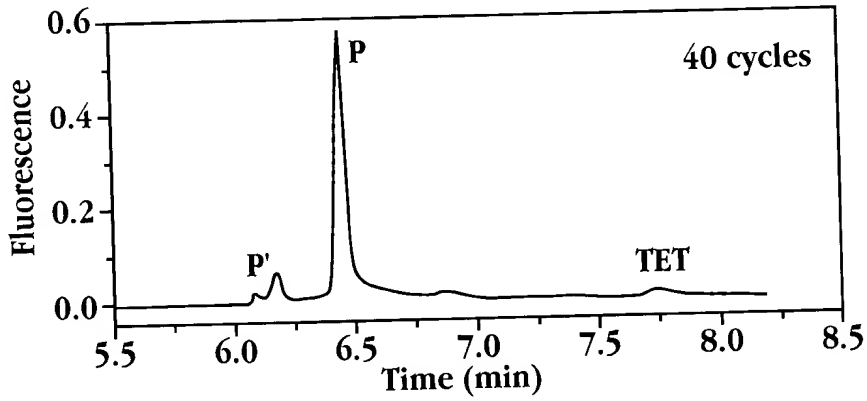

Fig. 18B

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APPROVED FIG.
SUBCLASS
DRAFTSMAN

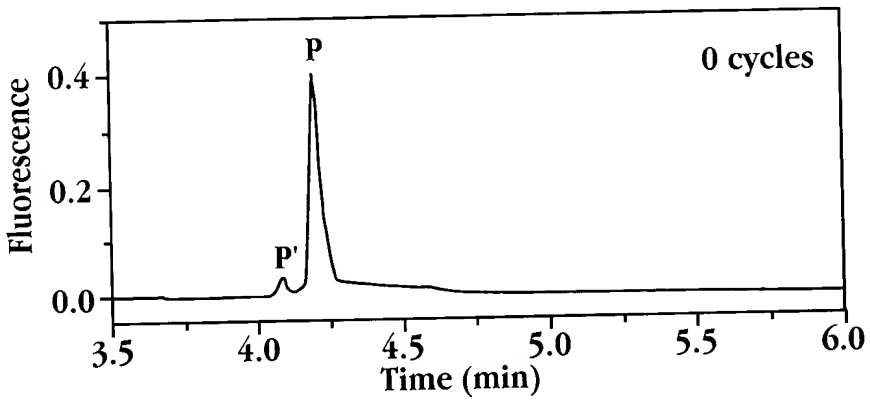


Fig. 19A

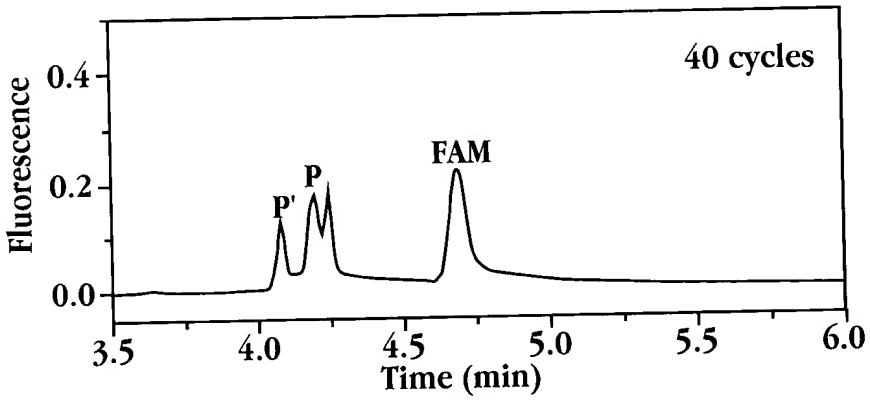


Fig. 19B

APPR... FIG.
CL... SUBCLASS
DRAFTSM...

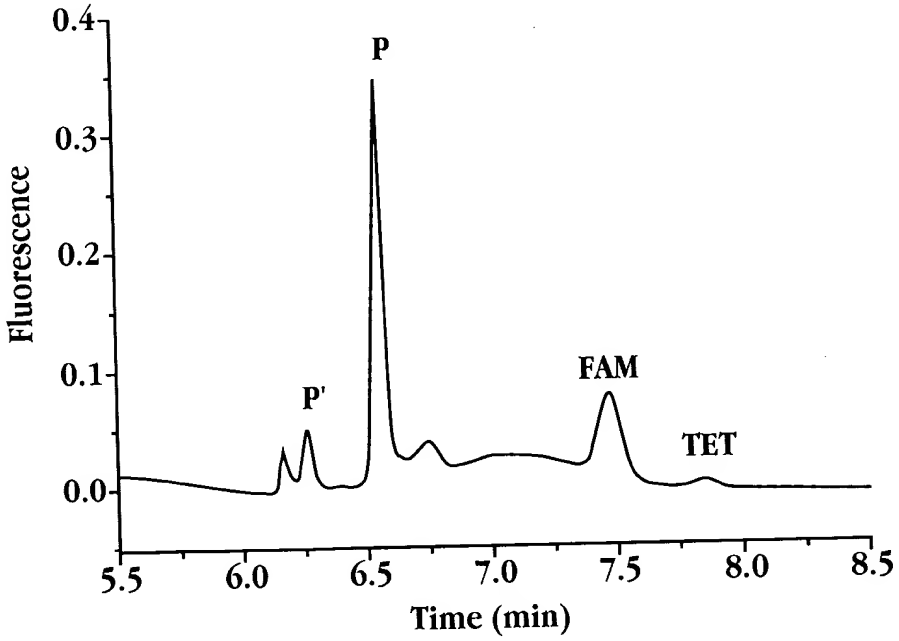


Fig. 20

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

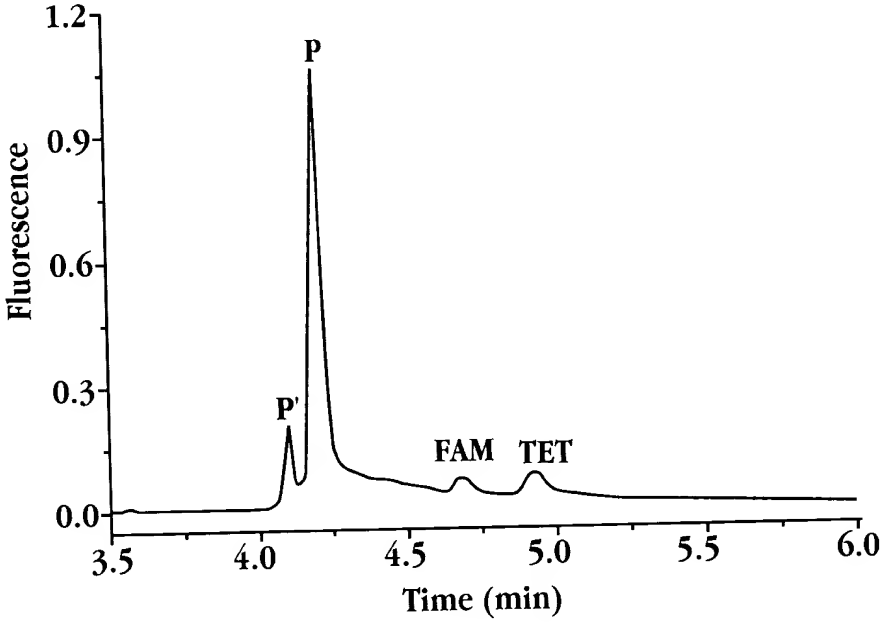


Fig. 21

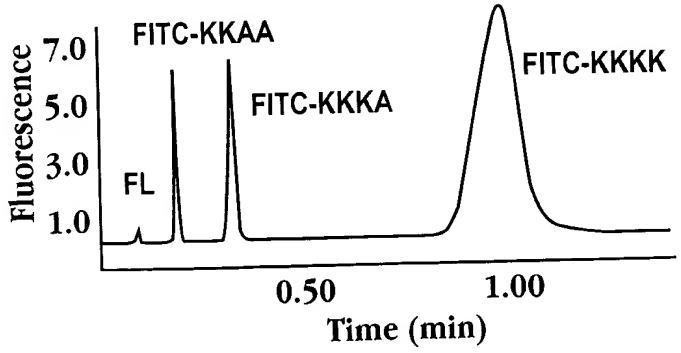


Fig. 22

APPD FIG.
BY CLASS SUBCLASS
DRAFTS

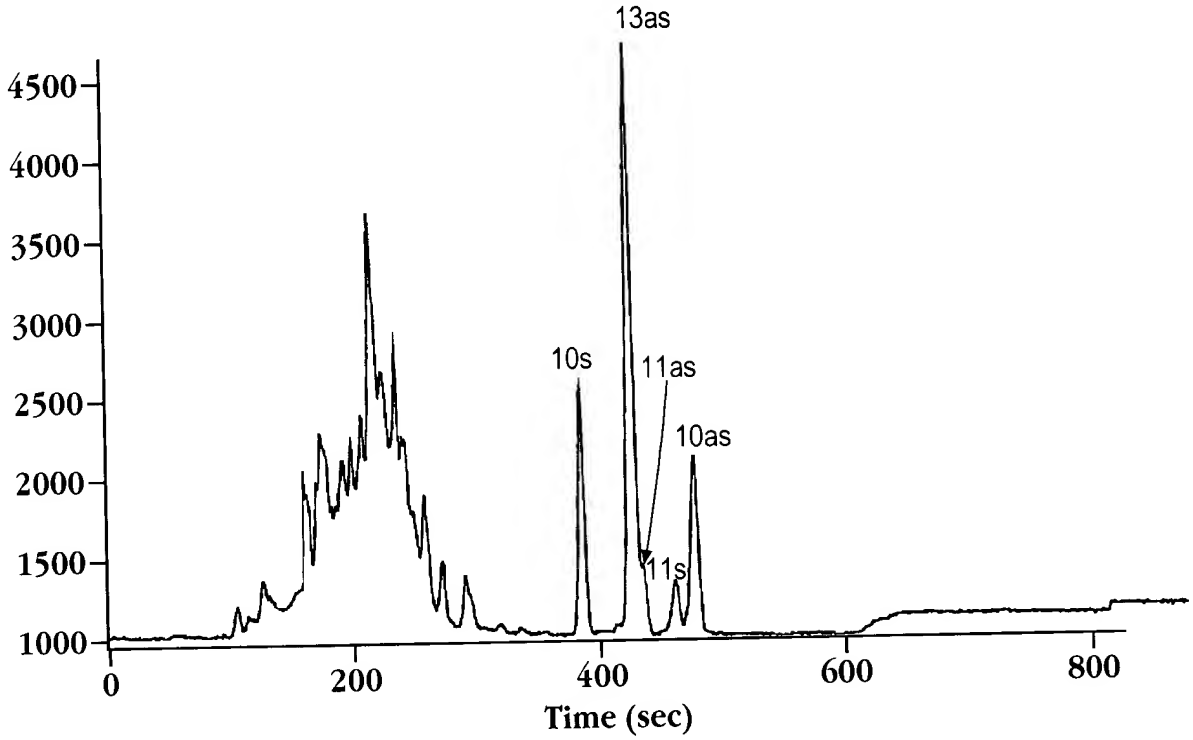


Fig. 23A

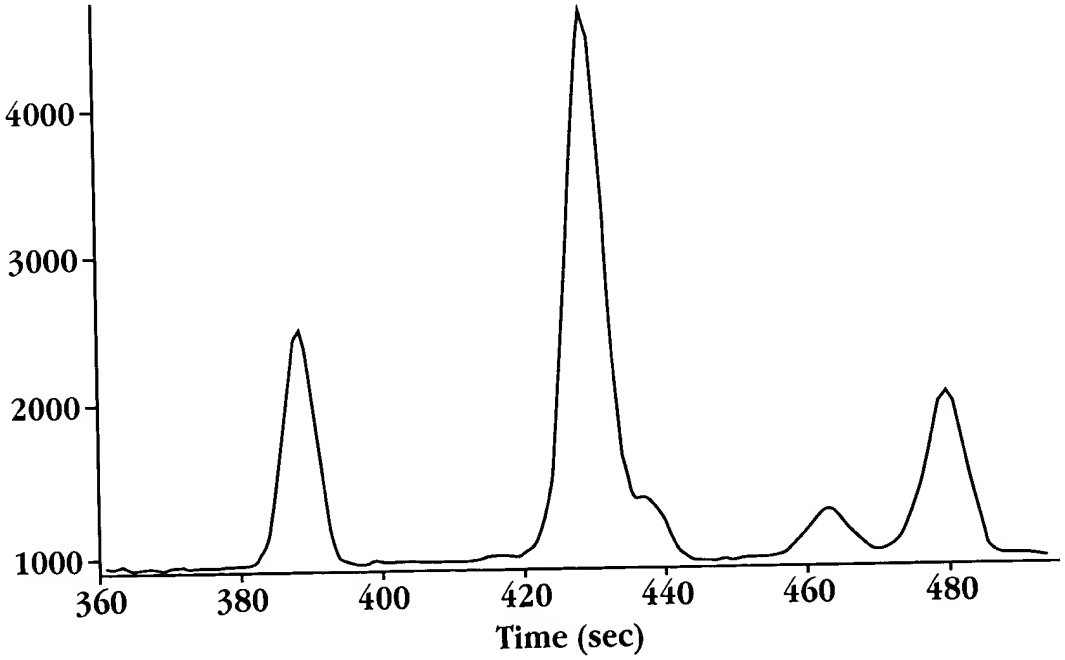


Fig. 23B

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

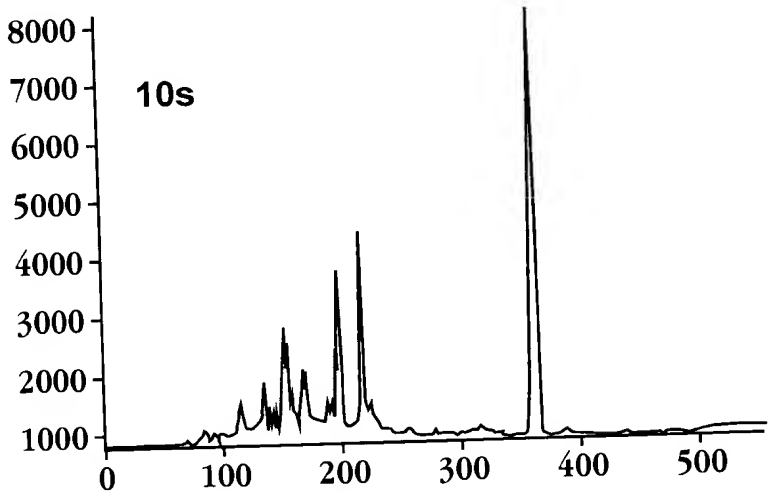


Fig. 23C

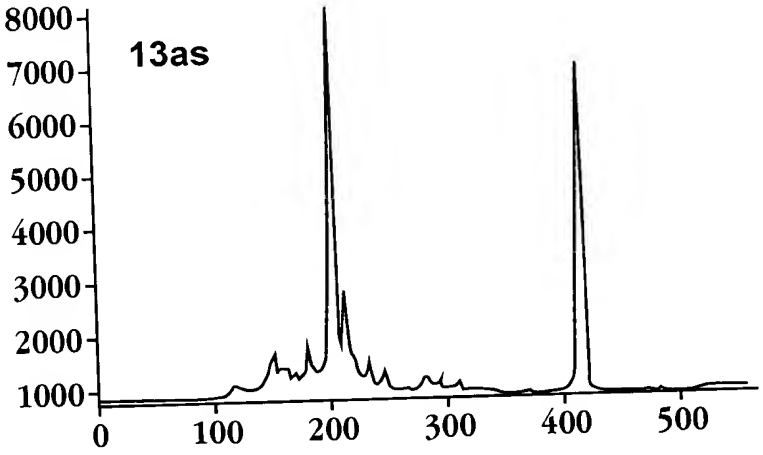


Fig. 23D

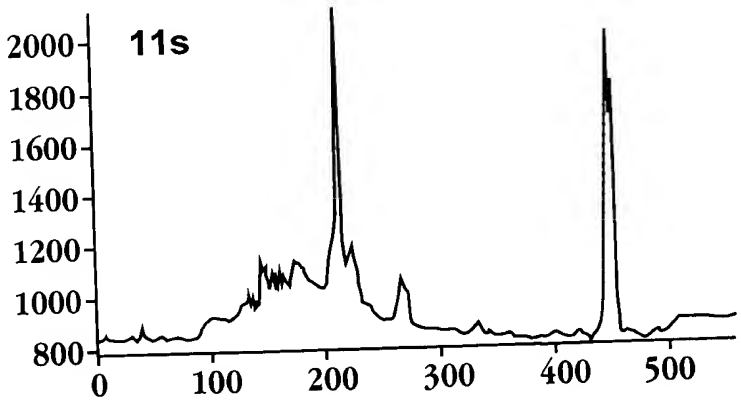


Fig. 23E

APPR... FIG.
... SUBCLASS
DRAFTSM...

Fig. 23F

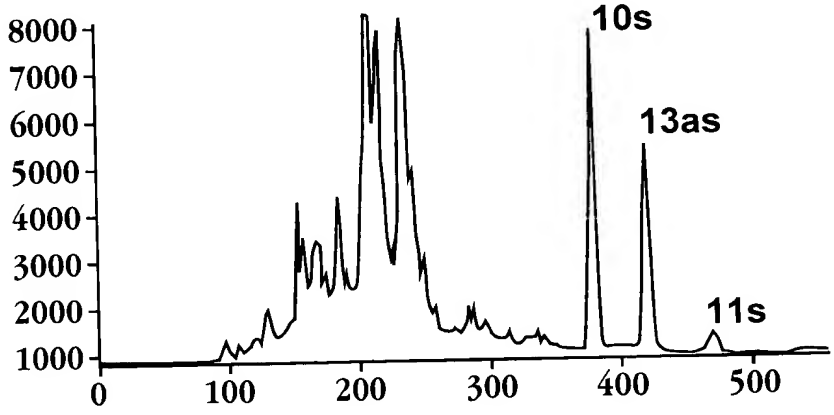


Fig. 23G

APPROVED FIG.
BY CLASS SUBCLASS
DRAFTSMAN

Replacement Sheet

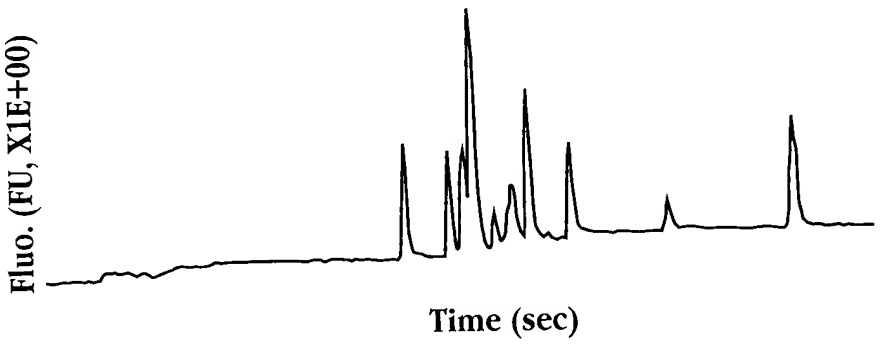


Fig. 24

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

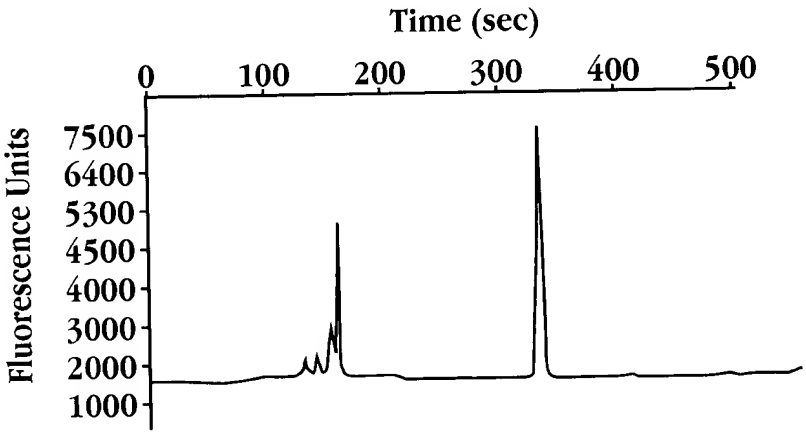


Fig. 25A

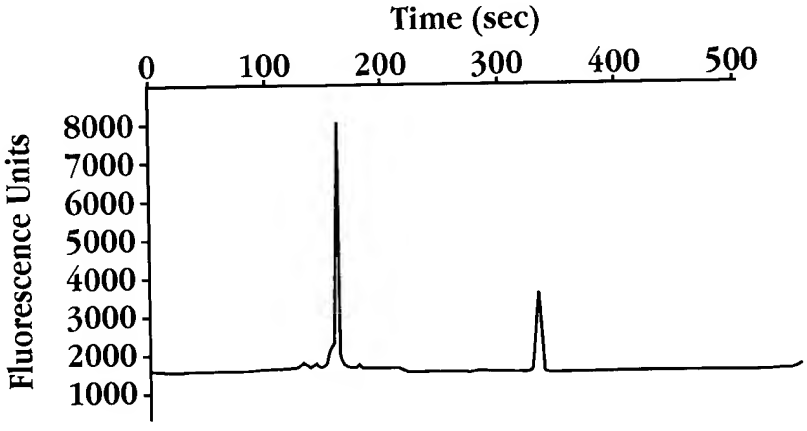


Fig. 25B

APPROVED
BY
DRAFTSMAN
FIG.
CLASS SUBCLASS

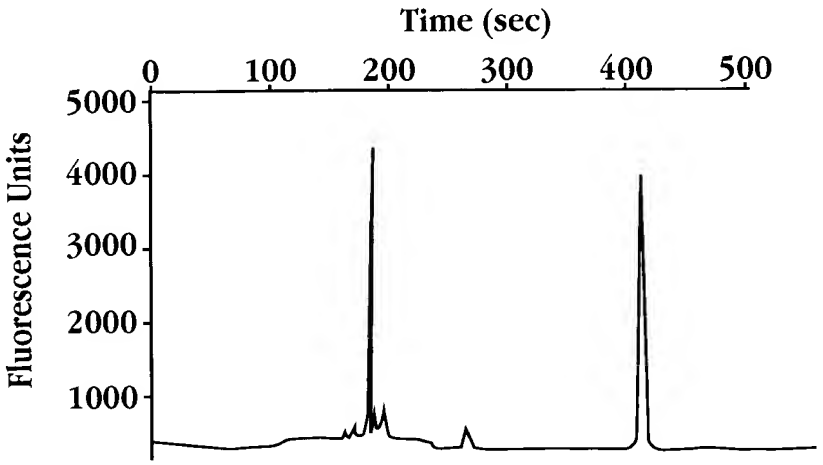


Fig. 25C

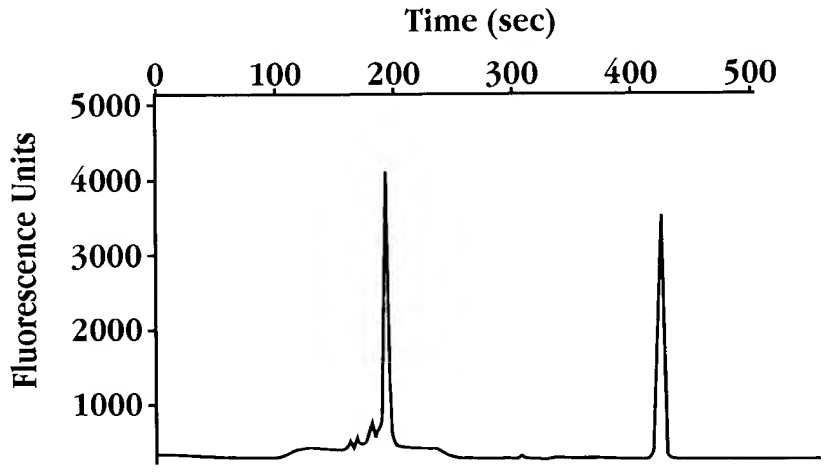


Fig. 25D

APPROVED O.I.P.E.
SUBCLASS
DRAFTSMAN

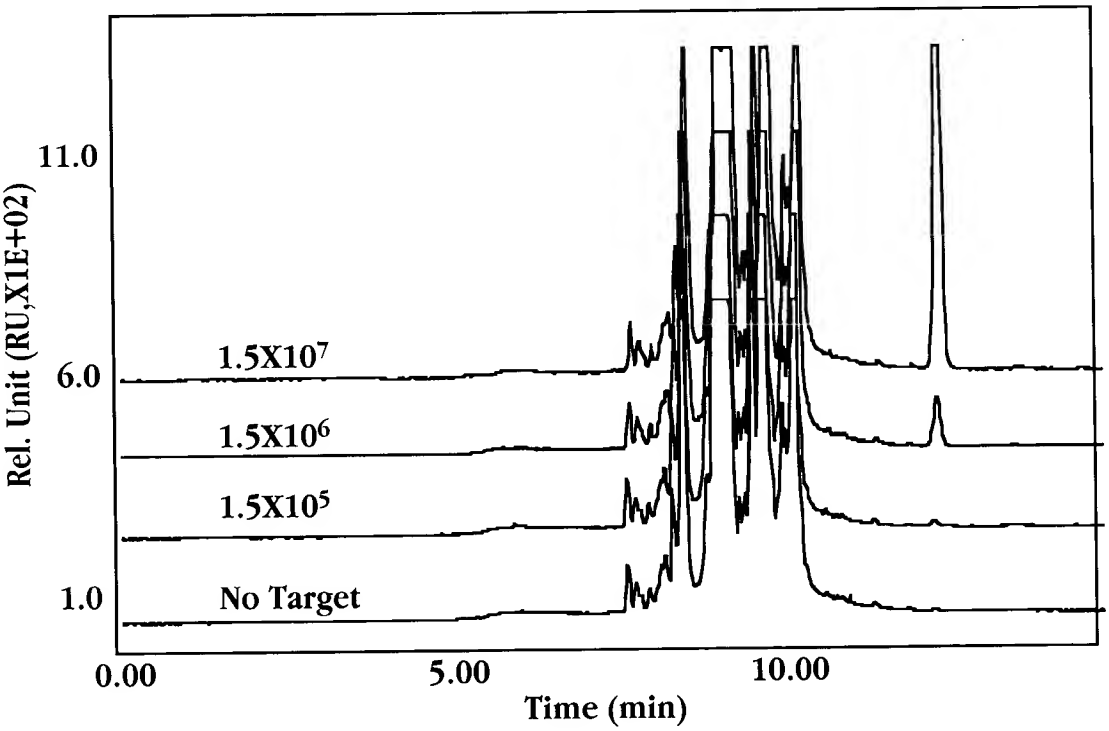


Fig. 26

APPROVED
DRAFTSMAN
CLASS SUBCLASS

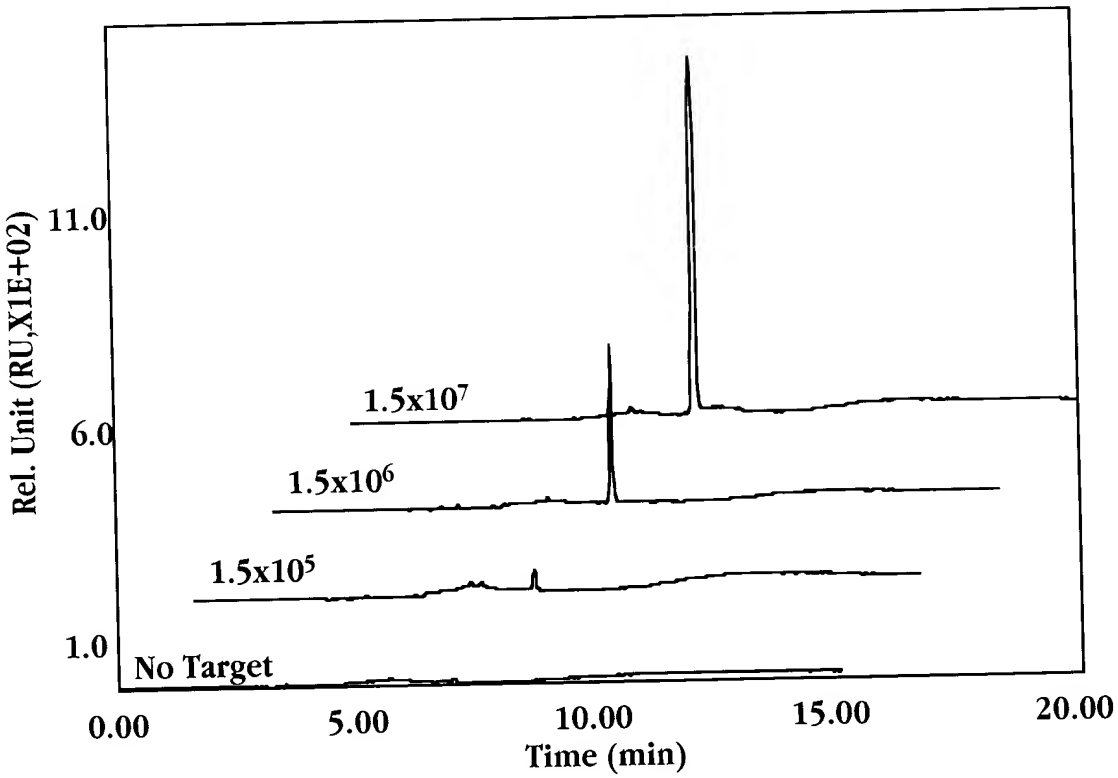


Fig. 27

APPROVED FIG.
BY CLASS SUBCLASS
DRAFTSMAN

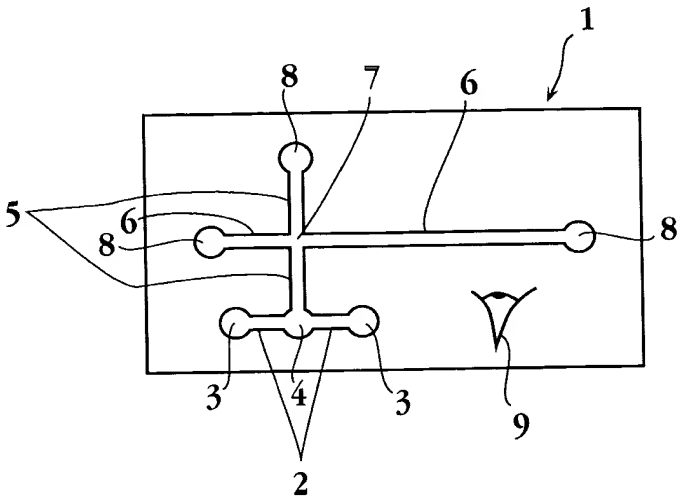


Fig. 28A

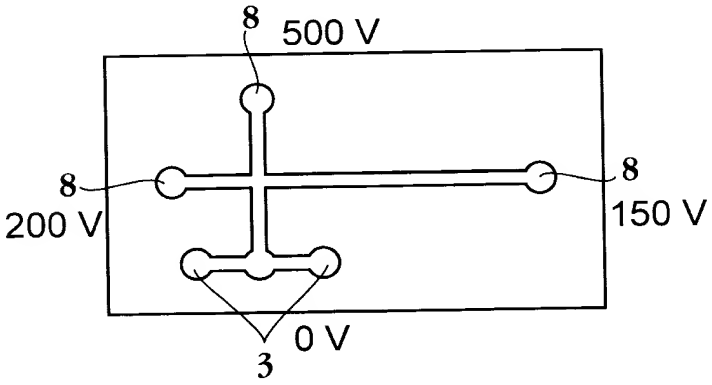


Fig. 28B

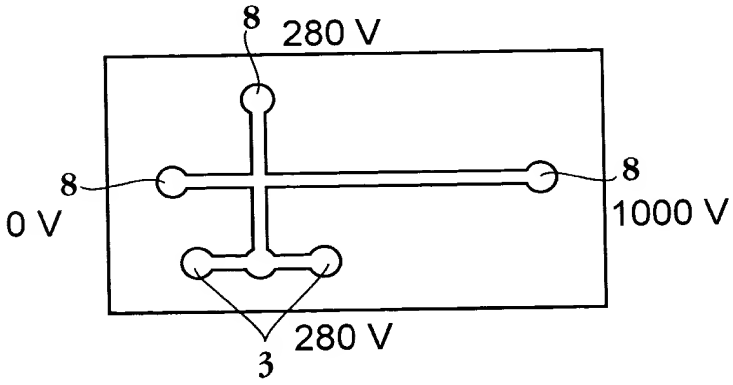


Fig. 28C

APPROVED FIG.
CLASS SUBCLASS
DRAFTSMAN

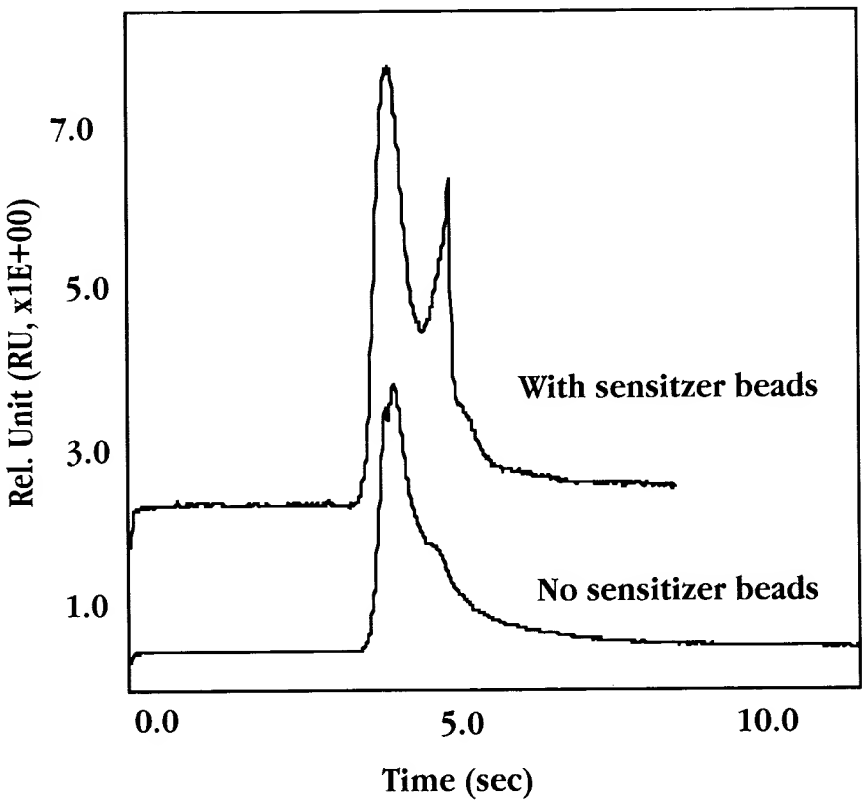


Fig. 29

APPROVED FIG.
BY CLASS ISUBCLASS
DRAFTSMAN

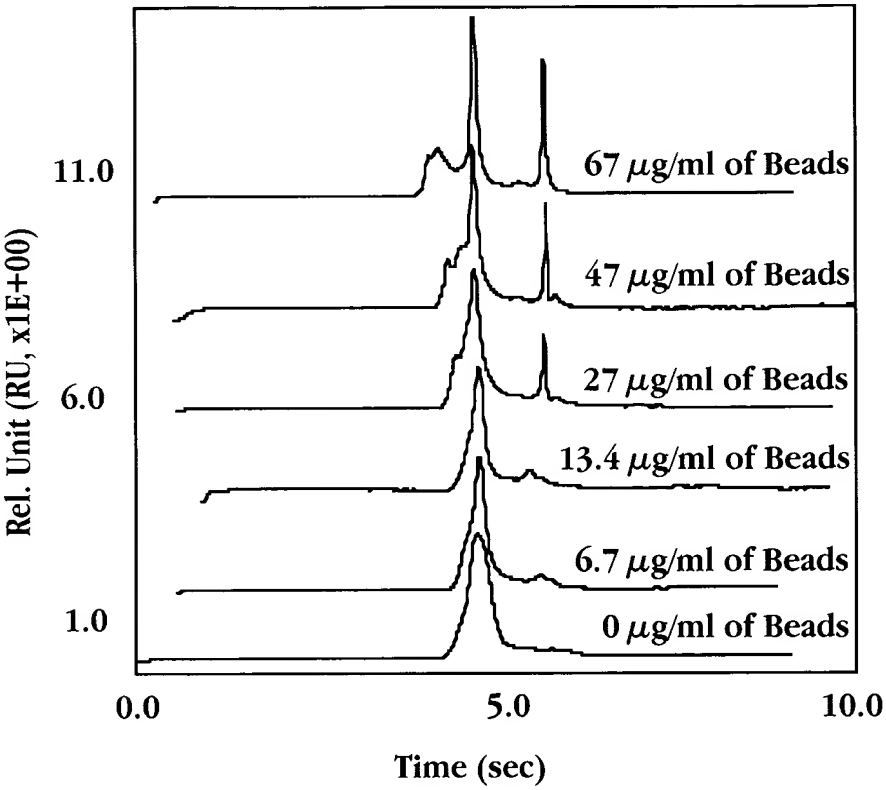


Fig. 30

APPROVED FIG.
BY CLASS SUBCLASS
DRAFTSMAN

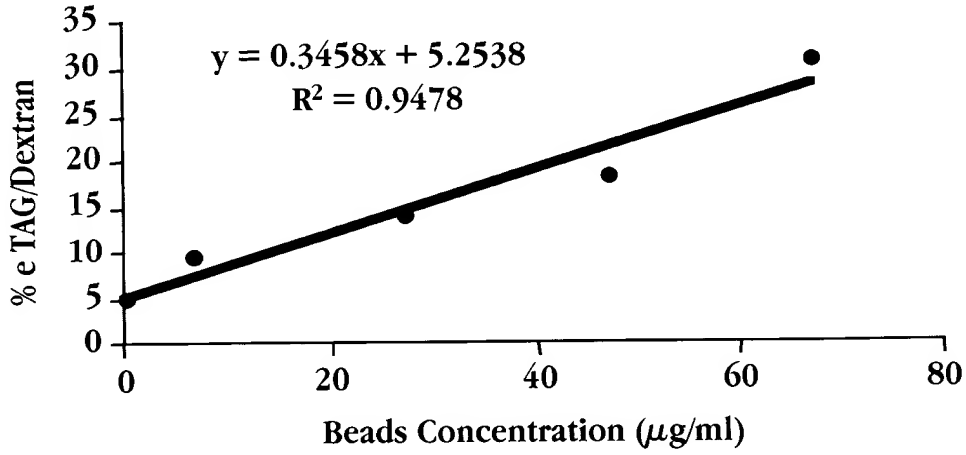


Fig. 31

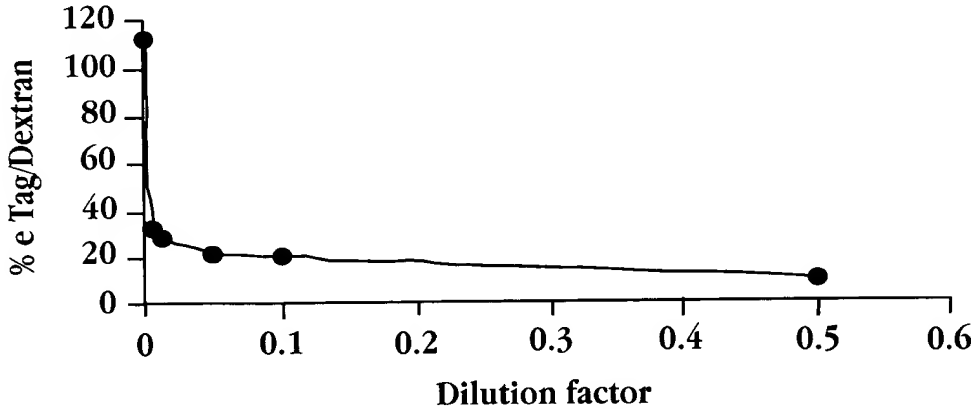


Fig. 32

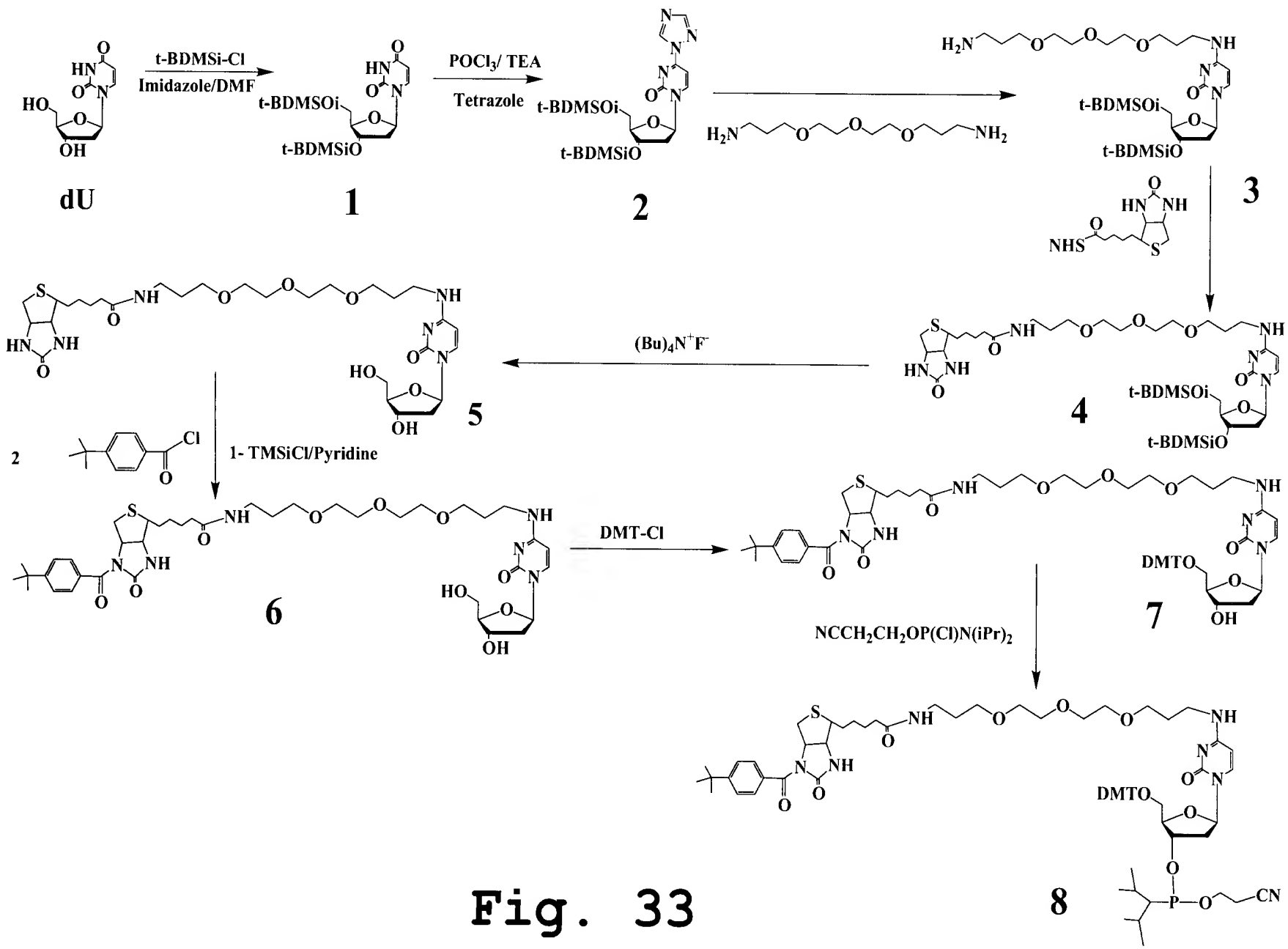
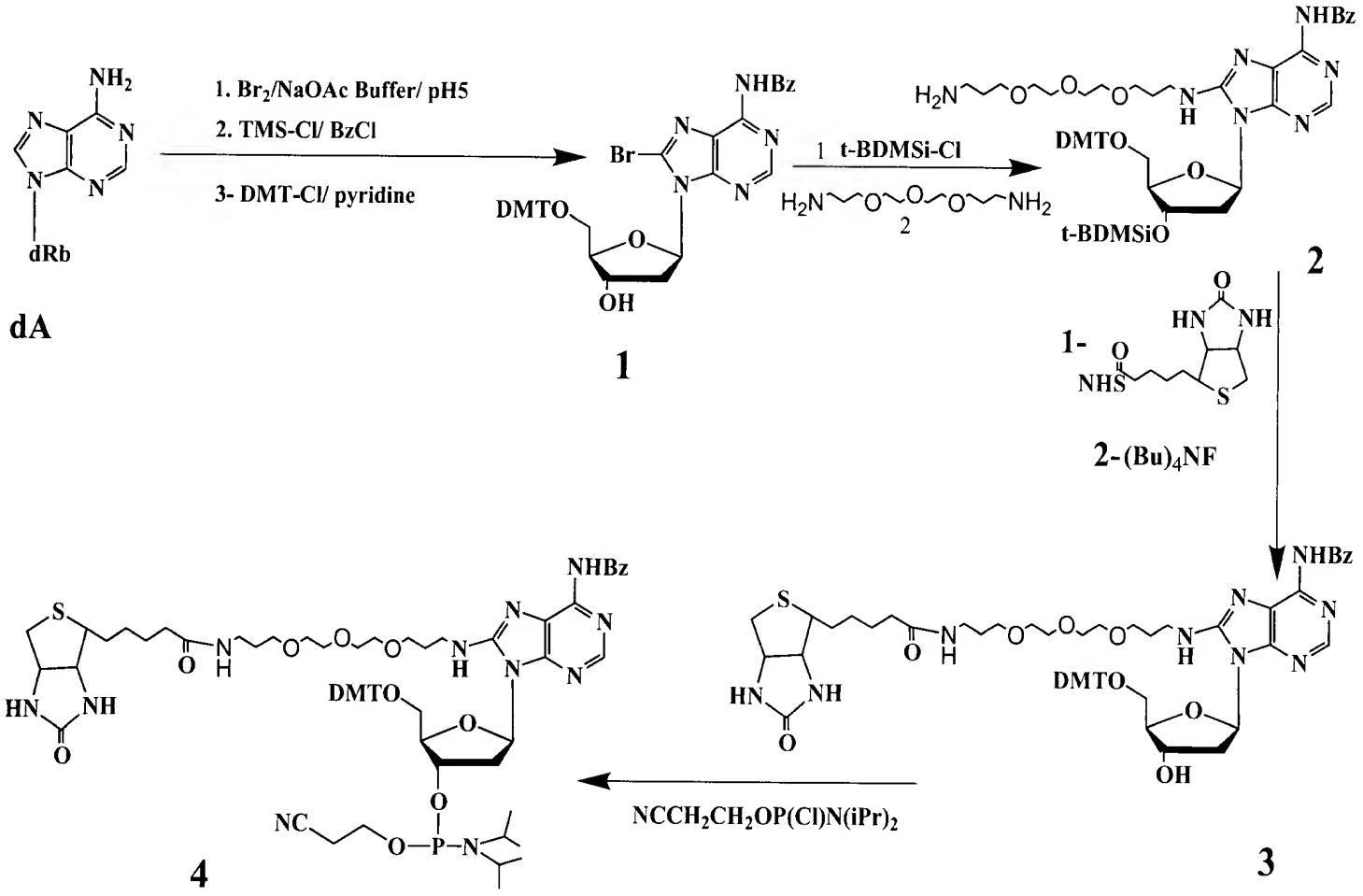

t-BDMSi-Cl
Imidazole/DMF
POCl3/ TEA
Tetrazole
dU
1
2
3
4
5
6
7
8
(Bu)4N+F-
1- TMSiCl/Pyridine
DMT-Cl
NCCH2CH2OP(Cl)N(iPr)2

Fig. 33


dA
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2. TMS-Cl/ BzCl
3- DMT-Cl/ pyridine
1
1 t-BDMSi-Cl
2
2
1-
2-(Bu)4NF
3
NCCH2CH2OP(Cl)N(iPr)2
4

Fig. 34